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Agricultural Performance in Eastern Europe, 1987

Nancy J. Cochrane
Miles J. Lambert

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ABSTRACT

Growth in the centrally planned economies of Eastern Europe has slowed during the 1980's and in 1987 was set back by declines in agricultural output. However, with the exception of 1987, the region's deficit in agricultural trade has been improving, primarily because of generally increased production and decreased imports of grain. Intentions to boost livestock product exports, as well as raise living standards by supplying more meat to domestic consumers, necessitate continued imports of protein feedstuffs (oilseeds and oilseed meals).

Keywords: Eastern Europe, agricultural production, agricultural trade, agricultural policy, economic conditions, reforms

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DATABASE INFORMATION

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Eastern Europe



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Agricultural Performance in Eastern Europe, 1987

Nancy J. Cochrane
Miles J. Lambert

INTRODUCTION

The countries of Eastern Europe--Bulgaria, Czechoslovakia, the German Democratic Republic (GDR), Hungary, Poland, Romania, and Yugoslavia--comprise a significant market for U.S. agricultural products. Their generally increasing farm output in recent years has lowered their dependence on overseas supplies, but poor domestic crop results can result in sizeable increases in imports, especially of grains, in some years. At the same time, their goals typically include higher exports of livestock products, increased domestic meat consumption, or both. Recent developments favoring economic reform tend to bolster those goals. Improved feeds and feeding will be required to achieve East European goals for livestock production, thus virtually assuring a continued strong import market for protein feedstuffs, since domestic oilseed production is unlikely to supply much of the increased needs in the foreseeable future. This report reviews recent developments in the region and updates tables formerly appearing in the Eastern Europe Situation and Outlook Report, now discontinued.

GENERAL ECONOMIC SITUATION

Eastern European economies generally grew more slowly in 1987 than in 1986 (table 1). While overall economic performance has been improving since the financial crisis of the early 1980's, most countries experienced a setback in 1987. Only Hungary showed a higher growth in national income in 1987 than in 1986; Hungary and Poland were the only countries to register a higher growth in industrial output. National income growth was held back by disappointing agricultural performance throughout the region, with Yugoslavia, Bulgaria, and Hungary experiencing negative growth in farm output.

Per capita income stagnated in most countries, and living standards fell, particularly in Poland, Yugoslavia, and Hungary, as a result of rising prices and efforts to hold back wage increases. Living standards probably deteriorated the greatest in Romania, which, in its drive to pay off its foreign debt, continues to boost its exports at the expense of domestic consumption. The fall in living standards has provoked considerable social unrest, with strikes in Poland and Yugoslavia, and riots in Brasov, Romania, last November.

One bright spot in 1987 was an overall improvement in the region's trade balance (table 14). Both the ruble and hard currency trade balances improved significantly. Yugoslavia, Hungary, and Bulgaria suffered deficits in their hard currency trade, but these deficits were much smaller than in previous years. Poland, Romania, and the GDR realized increased surpluses. Ruble trade balances improved as well, with most countries registering a surplus in their trade with the USSR. The primary factor behind these surpluses was an improvement in the terms of trade with the USSR. Ruble terms of trade had deteriorated sharply in previous years because Soviet energy prices continued to be above the world level. In 1987, however, there was a significant drop in Soviet energy prices.

Eastern Europe's net hard currency debt in 1987 rose from \$83.6 million to \$96.5 million in 1987 (table 2). All countries except Romania saw increases in their debt, mostly a result of the devaluation of the dollar since much of their debt is denominated in other, West European currencies. Yugoslavia has had serious difficulties meeting its repayment obligations and once again negotiated rescheduling agreements with its government and commercial creditors. Poland, too, with the restoration of Most Favored Nation status, has been negotiating a rescheduling agreement worth \$9 billion.

Yugoslavia also entered a new standby agreement with the International Monetary Fund (IMF). However, under the terms of the agreement, Yugoslavia has agreed to increased IMF monitoring of its economy and has adopted a radical reform program. The key elements of this program are the elimination of controls over most prices, import liberalization, severe wage constraints, and the threat of bankruptcy for unprofitable firms. The fate of this program is uncertain, since in the short term it means more inflation, currently hovering close to 200 percent, and a sharp deterioration in already falling living standards.

AGRICULTURAL POLICY

Farm production since the late 1970's has been guided by policies aimed primarily at achieving more favorable farm trade balances to decrease overall trade deficits and service external debt. However, during the 1980's longer term considerations of cost efficiency and competitive production increasingly have come into play, especially in the countries most intent on economic reform: Yugoslavia, Hungary, and Poland.

Since mid-1987, the Soviet Union's drive for perestroika has reinvigorated reformists in Hungary and Poland, and also put pressure on other members of the Council for Mutual Economic Assistance (CMEA) to drop uneconomic methods of the past. In May 1988, a new, economically bolder leadership came to power in Hungary, while in Czechoslovakia, in June, a new bill on agricultural cooperatives was approved, in line with reformist thinking. Bulgaria has also accelerated its preparations for a reform program. However, in Poland a November 1987 referendum failed to bring out a majority of eligible voters to the polls and has caused a slowdown of the reform process. Furthermore, the GDR and Romania have demurred, the GDR claiming that its present system has achieved most of what is sought through reform, and Romania arguing that the sort of reforms envisioned do not suit its specific conditions.

Reformists in the region generally aim at eventually phasing out the prevalent system of centrally administered farm and food prices, which typically are operated in conjunction with producer and consumer subsidies paid from the state budget. Both producers and consumers are uneasy about the prospect. Perennially inefficient producers would face liquidation. In order to help enterprises meet the challenge, their operational flexibility is to be strengthened through a variety of measures, featuring reduction of central planning indicators, liberalization of banking systems, public raising of funds (shareholding), and direct enterprise participation in foreign trade. At the same time, consumers fear a deterioration in their living standard in the near term, including lower per capita food consumption (table 13), as consumer prices rise toward world levels. The leadership, which needs worker support to succeed with reform, is particularly anxious to avoid the rapid inflation that has occurred in Yugoslavia, lest public unrest result. Consequently, although both Hungary and Poland announced some substantial retail food price increases for 1988, the increases were selective and, in the case of Poland, were scaled back from original plans. Hungary also introduced value-added and income taxes at the end of 1987. As a result of its price hikes and value-added tax, Hungary anticipates a rise of 15 points in the consumer price index during 1988.

Various structural and organizational measures in agriculture have been implemented or initiated in most of the countries in recent years, whether as part of reform packages or not. In 1987, a territorial reorganization took place in Bulgaria, apparently in part to augment regional self-sufficiency in food. The major goal of such measures is generally greater cost efficiency in food production, for which reason, also, the private sector is being strengthened in most countries. However, Romania is trying to maximize the area of land available for crop production at virtually any cost, while also decreasing the role of the private sector. In 1988, plans to move peasants into "agroindustrial centers" and eliminate about one-half of Romania's villages were revived, with the intention of expanding farmland by about 350,000 hectares and returning much of what is now private sector land to the socialized sector.

AGRICULTURAL PRODUCTION

Preliminary data for 1987 indicate that the adverse seasonal conditions experienced in the southern countries, particularly the prolonged summer drought in the Balkans and severe late summer storms in the southern Danube basin, caused a decline in farm output. Grains, oilseeds, vegetables, tree crops, and grapes were especially hard hit. At the same time, the long and harsh 1987 winter in the north damaged agricultural production, most of all by reducing orchard production in Poland. Still, preliminary estimates indicate that overall regional farm production was the third highest in the 1980's.

After stagnating during 1976-81 between 93 and 95 million tons, Eastern European grain production since 1982 has consistently surpassed 100 million tons, usually by a significant margin. A near record of almost 113 million tons was achieved in 1986. Yield increases, attributable largely to improved fertilizer applications, account for the gains, acreage having held fairly steady at 28-29 million hectares since 1978.

The 1987 drought reduced grain production by an estimated 9 percent from a year earlier and was particularly acute in Romania, where corn output was down by nearly one-third. Still, 1987's regional total of 103 million tons was less than 2 percent below the 1981-85 average (tables 3 and 4).

Increasing acreage has been planted to oilseed crops, mostly in order to cover a greater portion of protein feed needs from domestic output. Also, Poland wants to produce more of the edible oil it needs. Sunflowerseeds in Yugoslavia and Hungary, and rapeseed in Poland, lead in the trend. However, production performance has been erratic. In 1987, the area planted to oilseeds in the region was up by 3 percent over 1986, yet production declined by an estimated 14.5 percent because of poor yields in the south. Production of soybeans and sunflowerseeds in Romania was particularly hard hit (tables 7 and 8).

The livestock sector has been buoyed by generally increasing output of feedstuffs, as well as by imports needed to prop up livestock product exports in the southern countries. Poultry numbers continue to register gains. They increased by 1-2 percent in 1987, primarily because of the Romanian intention to become a larger exporter of poultry meat. Hog inventories in the region have also been headed upward in recent years, especially in Yugoslavia, though hesitantly. At the end of 1987, Yugoslav hog numbers apparently were at around year-earlier levels, owing to farmers' expectations that the price of corn on the country's free market would rise following the 1987 drought (table 11).

Following 4 consecutive years of increase, regional meat production declined by more than 1 percent in 1987, as output of all red meats decreased (table 12). However, only Poland, Yugoslavia, and Bulgaria experienced a decline in total meat output. Favorable pasture conditions held back cattle slaughtering in Poland, while concerns about rising corn prices in Yugoslavia in the second half of the year induced cattle and hog slaughtering at relatively low carcass weights. Poultry meat production continued upward in most of the countries, but an estimated decline of over 6 percent in Romania, caused by badly compounded feeds, held the regional gain below 2 percent, compared with a 7-percent gain a year earlier. Poultry meat offers the attractions of being relatively inexpensive to produce for domestic consumption and readily saleable on hard currency export markets. However, in 1987, Romania increased its exports of poultry meat despite the production decline, at the expense of domestic consumers.

AGRICULTURAL TRADE

The 1980's have seen a marked improvement in Eastern Europe's agricultural trade balance. The region's agricultural trade deficit, after peaking at \$3.6 billion in 1981, declined to \$1.1 billion in 1985. After a setback in 1986, the region most likely saw further improvement in 1987.

During the 1980's, Eastern Europe has come steadily closer to its goal of realizing grain self-sufficiency, as imports have declined and exports have risen (tables 5 and 6). An exception to that trend was 1986, when imports rose sharply due to the poor production of 1985. Grain imports

are estimated to be down once again in 1987 and exports up. Exceptions to that trend are Poland, which increased its wheat imports to 2.3 million tons in 1987, up from 1.6 million in 1986, and Bulgaria, which increased its grain imports toward the end of 1987, as it became apparent that its 1987 grain harvest was a disaster. Net grain imports are expected to rise in 1988, however, as Bulgaria is importing large amounts of wheat, corn, and barley, and Yugoslavia, normally an exporter of over 1 million tons of corn, has been forced to import corn as a result of the devastating 1987 drought.

Regionwide efforts to expand livestock production have resulted in sharp increases in the consumption of oilseeds and meals. Much of this has been satisfied with rises in domestic production, but imports have been rising as well. Romania more than doubled its soybean imports in 1986, and estimated 1987 and 1988 imports are equally high. Poland has likewise been increasing its imports of oilseed meals (soy and peanut) (tables 9 and 10).

Exports of live animals and meat, disappointing in 1986, appear to have rebounded in 1987. Almost all countries report significant increases in exports, both in volume and value. This increase has been especially beneficial in that an increasing share of these exports is going to hard currency markets.

U.S. AGRICULTURAL TRADE WITH EASTERN EUROPE

The sharp cutback in the region's agricultural imports in the 1980's, mainly in grain imports, has had an adverse effect on U.S. agricultural exports to the region (tables 15, 16, and 17). These declined from a peak of \$2.3 billion in 1980 to \$434 million in 1986. Owing largely to the U.S. Export Enhancement Program (EEP), U.S. agricultural exports to the region rose marginally in 1987, reaching \$436 million. U.S. grain exports to Eastern Europe nearly doubled in volume in 1987 because of the EEP, with a resultant 50-percent value rise. There was also a 19-percent rise in soybean exports, most of which went to Romania. Another significant rise in U.S. farm exports to the region should occur in 1988. (Outstanding EEP initiatives to Eastern Europe are listed on the following page.)

Increased sales of grains and oilseeds were offset by a 46-percent drop in the value of animal product exports. The decline was caused by the virtual elimination of shipments of nonfat dry milk and other dairy products to Poland under PL 480 and Section 416 of the Overseas Dairy Donation Program, as well as by a 48-percent decline in the value of cattle hide exports. Overall demand for hides has fallen in Eastern Europe and importers have increasingly turned to other suppliers.

There will likely be another rise in U.S. agricultural exports to Eastern Europe in 1988. January-May exports are 65 percent above those in the same period in 1987. Wheat exports have almost doubled, and the unit value has risen 23 percent. Larger volumes of barley and corn are also being shipped in response to the lower 1987 domestic production. U.S. exports of oilseeds and meal will likely remain the same, as will exports of cattle hides. Cotton sales to

Yugoslavia may increase, since Yugoslavia is having difficulties in its countertrade arrangements with Egypt.

Outstanding EEP Initiatives to Eastern Europe

| <u>Country</u> | <u>Commodity</u> | <u>Amount</u> | <u>Date</u> | <u>Status as of</u> <u>7/08/88</u> |
|----------------|-------------------|---------------|-------------|---------------------------------------|
| | | <u>Tons</u> | | |
| Bulgaria | Barley | 150,000 | 11/17/87 | Complete |
| | Wheat | 150,000 | 11/17/87 | Complete |
| | Wheat | 200,000 | 1/04/88 | No activity |
| GDR | Wheat | 130,000 | 4/14/88 | No activity |
| Hungary | Barley | 100,000 | 10/30/87 | No activity |
| Poland | Wheat | 500,000 | 1/07/87 | Complete |
| | Wheat | 500,000 | 7/02/87 | Complete |
| | Wheat | 1,000,000 | 12/01/87 | Sold 975,000 |
| | Wheat | 500,000 | 3/22/88 | No activity |
| | Barley or sorghum | 200,000 | 12/31/86 | Complete |
| | Barley or sorghum | 500,000 | 12/14/87 | Sold 205,000 |
| Yugoslavia | Wheat | 500,000 | 10/07/86 | Sold 417,050 |
| | Wheat | 500,000 | 10/19/87 | No activity |

Source: Foreign Agricultural Service data

EXPLANATORY NOTES

Agricultural land: Arable land (cultivated land, gardens, and orchards), meadows, and pastures.

Council for Mutual Economic Assistance (CMEA): Bulgaria, Cuba, Czechoslovakia, the German Democratic Republic (GDR), Hungary, Mongolia, Poland, Romania, the Soviet Union, and Vietnam. Yugoslavia has observer status.

Eastern Europe: Northern countries--Czechoslovakia, the GDR, and Poland; Southern countries--Bulgaria, Hungary, Romania, and Yugoslavia.

Metric units are used throughout:

One metric ton = 2,204.6 pounds

One kilogram = 2.2046 pounds

One hectare = 2.471 acres

Cattlehides: one piece = 22 kilograms

Milk: one liter = 1.031 kilograms

Statistical data in this report are taken from the yearbooks of the respective countries, CMEA yearbooks, Annual Trade Yearbooks of the Food and Agriculture Organization of the United Nations, and 1987 plan fulfillment reports as reported in the country press. Other sources are noted as appropriate. Data on Albania are so scarce that the country is not covered here.

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Table 1. Major economic indicators, Eastern Europe, 1986-87, 1988 plans

| Indicator and year | Bulgaria | Czecho-slovakia | GDR | Hungary | Poland | Romania | Yugo-slavia |
|--------------------------|----------|-----------------|------|----------|---------|-----------|-------------|
| Percent | | | | | | | |
| National income: | | | | | | | |
| 1986 plan | 4.0 | 3.5 | 4.4 | 2.3-2.7 | 3.2 | 10.0-12.0 | 3.0 |
| 1986 actual | 5.5 | 3.4 | 4.3 | .5 | 5.0 | 7.3 | 3.6 |
| 1987 plan | 4.6 | 3.0 | 4.5 | 2.0 | 3.0-3.5 | 8.0-9.0 | 4.0 |
| 1987 actual | 5.1 | 2.0 | 4.0 | 2.0-2.5 | 3.4 | 3.6 | .5 |
| 1988 plan | 6.1 | 3.5 | 4.1 | 1.0 | 3.2-3.8 | 9.0-10.0 | NA |
| Agricultural production: | | | | | | | |
| 1986 plan | 7.4 | 2.5 | .3 | 3.0-3.5 | 1.1-2.7 | 6.0-7.0 | 8.0 |
| 1986 actual | 10.0 | .5 | 4.3 | 1.0 | 7.5 | 12.8 | 7.0 |
| 1987 plan | 3.9-4.5 | NA | .4 | 4.5-5.5 | 2.2-2.5 | 6.0-7.0 | 3.0 |
| 1987 actual | -4.0 | .9 | NA | -5-1.5 | .9 | 2.3 | -7.5 |
| 1988 plan | 5.5 | 1.1 | NA | 5.0-5.5 | NA | 5.0-5.5 | 4.0 |
| Industrial production: | | | | | | | |
| 1986 plan | 4.5 | 2.6 | 4.3 | 2.0-2.5 | 3.2-3.6 | 7.0 | 3.0 |
| 1986 actual | 4.3 | 3.1 | 4.3 | 1.8 | 4.4 | 7.7 | 4.2 |
| 1987 plan | 4.6-5.4 | 2.8-3.4 | 4.6 | 2.0-2.5 | 3.4 | 6.0-7.0 | 4.5 |
| 1987 actual | 5.6 | 2.3 | 3.7 | 3.7 | 3.7 | 4.5 | .7 |
| 1988 plan | 5.0 | 3.0 | NA | 1.0 | 3.4-3.7 | 7.0-8.0 | NA |
| Capital investment: | | | | | | | |
| 1986 plan | 12.0 | .3 | 1.7 | 3.5-5.1 | 4.2 | 6.0-8.0 | 2.0 |
| 1986 actual | 4.0 | 2.8 | 5.0 | 5.1 | 3.7 | 1.2 | 3.5 |
| 1987 plan | 6.5-7.9 | NA | -2.3 | 1.0 | 3.2-4.3 | 6.0-7.0 | 3.8 |
| 1987 actual | 3.0 | 3.7 | 6.0 | 6.0 | 6.0 | .9 | -4.0 |
| 1988 plan | * 4.1 | NA | NA | * 0 | 3.6 | 3.0-3.5 | NA |
| Per capita real income: | | | | | | | |
| 1986 plan | 3.0 | NA | 4.0 | 1.0-1.5 | 0 | NA | NA |
| 1986 actual | 2.8 | 2.9 | 4.3 | .7 | 0 | NA | NA |
| 1987 plan | NA | NA | 4.0 | 1.0-1.5 | NA | NA | NA |
| 1987 actual | 3.9 | NA | 4.6 | * 0 | 1.0 | NA | NA |
| 1988 plan | 3.3 | NA | NA | -2.5-3.0 | NA | NA | NA |

* = Estimate. NA = Not available.

Sources: Plan fulfillment reports of respective countries; PlanEcon estimates.

Table 2. Gross and net hard currency debt, Eastern Europe, 1971
and 1980-87

| Country | | 1971 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 |
|-------------------------|---|------|------|------|------|------|------|------|-------|-------|
| Billion U.S. dollars 1/ | | | | | | | | | | |
| Bulgaria | G | .7 | 3.5 | 3.1 | 2.8 | 2.6 | 2.2 | 3.6 | 4.9 | 6.1 |
| | N | NA | 2.8 | 2.2 | 1.7 | 1.4 | .8 | 1.5 | 3.6 | 5.1 |
| Czechoslovakia | G | .5 | 4.9 | 4.5 | 4.1 | 4.0 | 3.6 | 3.8 | 4.5 | 5.8 |
| | N | NA | 3.7 | 3.4 | 3.3 | 3.0 | 2.6 | 2.8 | 3.3 | 4.2 |
| GDR | G | 1.4 | 14.1 | 14.9 | 13.0 | 13.0 | 12.3 | 14.0 | 17.0 | 20.4 |
| | N | NA | 11.6 | 12.3 | 10.6 | 9.3 | 7.4 | 7.1 | 9.6 | 11.4 |
| Hungary | G | 1.1 | 9.1 | 8.7 | 7.7 | 8.3 | 8.8 | 11.8 | 15.1 | 17.7 |
| | N | NA | 5.5 | 7.0 | 6.6 | 6.8 | 6.7 | 8.6 | 12.0 | 15.5 |
| Poland | G | 1.1 | 25.0 | 25.4 | 24.8 | 26.4 | 26.8 | 29.3 | 33.5 | 39.2 |
| | N | NA | 24.4 | 24.7 | 23.8 | 25.1 | 25.3 | 28.6 | 31.8 | 36.2 |
| Romania | G | 1.2 | 9.4 | 10.2 | 9.7 | 8.8 | 7.1 | 6.6 | 6.0 | 4.9 |
| | N | NA | 9.1 | 9.8 | 9.3 | 8.2 | 6.4 | 6.4 | 5.4 | 4.3 |
| Yugoslavia | G | 3.2 | 17.4 | 19.0 | 18.5 | 19.0 | 18.8 | 19.2 | 19.4 | 20.5 |
| | N | NA | 14.0 | 16.3 | 17.7 | 18.1 | 17.7 | 18.1 | 17.9 | 19.8 |
| Total | G | 8.0 | 83.4 | 85.8 | 80.6 | 82.1 | 79.6 | 88.3 | 100.4 | 114.6 |
| | N | NA | 71.1 | 75.7 | 73.0 | 71.9 | 66.1 | 73.1 | 83.6 | 96.5 |

1/ At end of year. G = Gross, N = Net, NA = Not available.

Sources: Directorate of Intelligence, CIA, Handbook of Economic Statistics, 1986;
I. Zloch, Hard Currency Debt and the Growth of the Eastern European Economies, working paper,
the World Bank, 1986; and estimates of various U.S. Government agencies.

Table 3. Production of grains, Eastern Europe,
1976-80 and 1981-85 averages, and 1984-87 annual 1/

| Commodity and year | Bulgaria | Czecho- slovakia | GDR | Hungary 2/ | Poland | Romania 3/ | Yugo- slavia | Total Eastern Europe |
|--------------------------|----------|---------------------|--------|---------------|--------|---------------|-----------------|----------------------------|
| 1,000 tons | | | | | | | | |
| Wheat: | | | | | | | | |
| 1976-80 | 3,513 | 4,949 | 2,998 | 5,186 | 5,089 | 6,104 | 5,306 | 33,140 |
| 1981-85 | 4,173 | 5,389 | 3,414 | 6,066 | 5,263 | 6,038 | 5,089 | 35,433 |
| 1984 | 4,836 | 6,170 | 3,903 | 7,392 | 6,010 | 7,578 | 5,595 | 41,484 |
| 1985 | 3,067 | 6,023 | 3,936 | 6,578 | 6,461 | 5,662 | 4,839 | 36,566 |
| 1986 | 4,327 | 5,305 | 4,195 | 5,740 | 7,502 | 6,700 | 4,776 | 38,545 |
| 1987 | 4,127 | 6,000 | 4,040 | 5,674 | 7,940 | 6,000 | 5,272 | 39,053 |
| Rye: | | | | | | | | |
| 1976-80 | 20 | 578 | 1,748 | 135 | 6,474 | * 50 | 87 | * 9,092 |
| 1981-85 | 37 | 642 | 2,205 | 146 | 8,089 | * 47 | 80 | * 11,245 |
| 1984 | 37 | 710 | 2,510 | 193 | 9,540 | * 50 | 81 | * 13,121 |
| 1985 | 49 | 620 | 2,505 | 166 | 7,600 | * 50 | 77 | * 11,067 |
| 1986 | 52 | 547 | 2,406 | 170 | 7,074 | * 60 | 74 | * 10,383 |
| 1987 | 45 | 600 | 2,283 | 185 | 6,800 | 50 | 69 | 10,032 |
| Barley: | | | | | | | | |
| 1976-80 | 1,532 | 3,386 | 3,715 | 772 | 3,560 | 1,981 | 664 | 15,610 |
| 1981-85 | 1,193 | 3,507 | 3,983 | 1,010 | 3,618 | 2,423 | 700 | 16,435 |
| 1984 | 1,279 | 3,677 | 4,138 | 1,220 | 3,555 | 2,448 | 748 | 17,065 |
| 1985 | 800 | 3,538 | 4,366 | 1,046 | 4,086 | 1,850 | 704 | 16,390 |
| 1986 | 1,144 | 3,530 | 4,293 | 844 | 4,412 | 2,000 | 703 | 16,926 |
| 1987 | 1,096 | 3,500 | 4,198 | 781 | 4,340 | 1,800 | 504 | 16,219 |
| Oats: | | | | | | | | |
| 1976-80 | 70 | 423 | 525 | 90 | 2,434 | 56 | 298 | 3,896 |
| 1981-85 | 42 | 471 | 678 | 141 | 2,600 | 86 | 267 | 4,285 |
| 1984 | 25 | 480 | 700 | 156 | 2,604 | 94 | 256 | 4,315 |
| 1985 | 41 | 474 | 746 | 133 | 2,682 | 102 | 252 | 4,430 |
| 1986 | 42 | 423 | 666 | 121 | 2,486 | 150 | 260 | 4,148 |
| 1987 | 30 | 500 | 637 | 95 | 2,460 | 100 | 232 | 4,054 |
| Corn: | | | | | | | | |
| 1976-80 | 2,652 | 724 | 2 | 6,374 | 165 | 11,097 | 9,192 | 30,206 |
| 1981-85 | 2,656 | 885 | 1 | 6,977 | 65 | 13,001 | 10,568 | 34,153 |
| 1984 | 2,994 | 940 | -- | 6,686 | 57 | 13,274 | 11,293 | 35,244 |
| 1985 | 1,350 | 1,114 | 1 | 6,818 | 69 | 15,238 | 9,896 | 34,486 |
| 1986 | 2,848 | 992 | 2 | 7,029 | 168 | 15,000 | 12,526 | 38,565 |
| 1987 | 1,968 | 1,000 | 2 | 6,987 | 70 | 10,500 | 8,863 | 29,390 |
| Rice (rough): | | | | | | | | |
| 1976-80 | 62 | -- | -- | 31 | -- | 48 | 34 | 175 |
| 1981-85 | 68 | -- | -- | 41 | -- | 85 | 39 | 233 |
| 1984 | 61 | -- | -- | 33 | -- | 110 | 36 | 240 |
| 1985 | 55 | -- | -- | 38 | -- | 138 | 36 | 267 |
| 1986 | 62 | -- | -- | 46 | -- | 177 | 40 | 325 |
| 1987 | 60 | -- | -- | 44 | -- | 154 | 25 | 283 |
| Other grains: 4/ | | | | | | | | |
| 1976-80 | -- | -- | 49 | 45 | 1,773 | 47 | 7 | 1,921 |
| 1981-85 | -- | -- | 107 | 40 | 2,589 | 19 | 4 | 2,760 |
| 1984 | -- | -- | 98 | 51 | 2,626 | 24 | 4 | 2,803 |
| 1985 | -- | -- | 86 | 30 | 2,844 | 8 | 4 | 2,972 |
| 1986 | -- | -- | 102 | 44 | 3,562 | 20 | 6 | 3,734 |
| 1987 | -- | -- | 64 | 48 | 3,420 | 20 | 6 | 3,558 |
| Total grains: | | | | | | | | |
| 1976-80 | 7,849 | 10,043 | 9,037 | 12,633 | 19,495 | * 19,383 | 15,588 | * 94,039 |
| 1981-85 | 8,169 | 10,893 | 10,393 | 14,423 | 22,224 | * 21,701 | 16,749 | * 104,551 |
| 1984 | 9,232 | 11,977 | 11,361 | 15,731 | 24,392 | * 23,578 | 18,013 | * 114,284 |
| 1985 | 5,362 | 11,769 | 11,653 | 14,809 | 23,742 | * 23,048 | 15,808 | * 106,191 |
| 1986 | 8,475 | 10,797 | 11,664 | 13,994 | 25,204 | * 24,107 | 18,385 | * 112,626 |
| 1987 | 7,326 | 11,600 | 11,224 | 13,814 | 25,030 | 18,624 | 14,971 | 102,589 |

-- = Data not available or amount less than 1,000 tons. * = Estimate

1/ 1987 data are preliminary.

2/ Includes grain production from private plots and gardens which averaged 83,000 tons in 1976-80 and 219,000 tons in 1981-85.

3/ The accuracy of Romania's grain production data has been increasingly questioned in the 1980s. Reflecting that concern, Foreign Agricultural Service estimates for 1987 have been used in preference to Romanian reports.

4/ Includes buckwheat, millet, spelt, mixed grains, triticale, and sorghum.

Sources: See Explanatory Notes.

Table 4. Area of grains, Eastern Europe,
1976-80 and 1981-85 averages, and 1984-87 annual 1/

| Commodity and Year | Bulgaria | Czecho- slovakia | GDR | Hungary 2/ | Poland | Romania | Yugo- slavia | Total Eastern Europe |
|--------------------------|----------|---------------------|-------|---------------|--------|---------|-----------------|----------------------------|
| 1,000 hectares | | | | | | | | |
| Wheat: | | | | | | | | |
| 1976-80 | 938 | 1,229 | 720 | 1,274 | 1,735 | 2,256 | 1,616 | 9,768 |
| 1981-85 | 1,083 | 1,157 | 702 | 1,307 | 1,600 | 2,236 | 1,472 | 9,557 |
| 1984 | 1,126 | 1,209 | 747 | 1,361 | 1,706 | 2,350 | 1,458 | 9,957 |
| 1985 | 1,067 | 1,221 | 744 | 1,358 | 1,885 | 2,356 | 1,348 | 9,979 |
| 1986 | 1,127 | 1,213 | 749 | 1,318 | 2,025 | 2,530 | 1,346 | 10,308 |
| 1987 | 1,085 | 1,150 | 748 | 1,313 | 2,131 | 2,400 | 1,455 | 10,282 |
| Rye: | | | | | | | | |
| 1976-80 | 15 | 186 | 645 | 81 | 2,997 | * 40 | 64 | * 4,028 |
| 1981-85 | 27 | 186 | 686 | 76 | 3,270 | * 40 | 50 | * 4,335 |
| 1984 | 26 | 197 | 718 | 75 | 3,545 | * 40 | 47 | * 4,648 |
| 1985 | 32 | 182 | 690 | 85 | 3,083 | * 40 | 44 | * 4,156 |
| 1986 | 30 | 156 | 680 | 89 | 2,760 | * 40 | 42 | * 3,797 |
| 1987 | 30 | 140 | 655 | 80 | 2,957 | 42 | 40 | 3,944 |
| Barley: | | | | | | | | |
| 1976-80 | 485 | 919 | 981 | 237 | 1,288 | 662 | 298 | 4,870 |
| 1981-85 | 326 | 875 | 917 | 275 | 1,185 | 791 | 282 | 4,650 |
| 1984 | 315 | 790 | 866 | 269 | 1,055 | 672 | 271 | 4,238 |
| 1985 | 260 | 799 | 882 | 279 | 1,242 | 680 | 264 | 4,406 |
| 1986 | 318 | 821 | 895 | 253 | 1,335 | 575 | 276 | 4,473 |
| 1987 | 295 | 790 | 891 | 205 | 1,286 | 560 | 213 | 4,240 |
| Oats: | | | | | | | | |
| 1976-80 | 49 | 162 | 157 | 36 | 1,067 | 52 | 215 | 1,738 |
| 1981-85 | 35 | 150 | 178 | 48 | 1,043 | 72 | 168 | 1,695 |
| 1984 | 23 | 140 | 161 | 44 | 934 | 67 | 153 | 1,522 |
| 1985 | 29 | 126 | 178 | 44 | 995 | 72 | 151 | 1,595 |
| 1986 | 28 | 116 | 163 | 41 | 924 | 70 | 152 | 1,494 |
| 1987 | 25 | 100 | 149 | 40 | 856 | 70 | 139 | 1,379 |
| Corn: | | | | | | | | |
| 1976-80 | 657 | 202 | -- | 1,297 | 41 | 3,295 | 2,256 | 7,748 |
| 1981-85 | 551 | 205 | 1 | 1,122 | 16 | 3,041 | 2,308 | 7,244 |
| 1984 | 542 | 235 | -- | 1,107 | 15 | 3,091 | 2,331 | 7,321 |
| 1985 | 435 | 224 | -- | 1,053 | 16 | 3,090 | 2,400 | 7,218 |
| 1986 | 574 | 218 | -- | 1,118 | 26 | 3,200 | 2,369 | 7,505 |
| 1987 | 496 | 250 | -- | 1,144 | 15 | 3,100 | 2,218 | 7,223 |
| Rice: | | | | | | | | |
| 1976-80 | 17 | -- | -- | 23 | -- | 21 | 8 | 69 |
| 1981-85 | 15 | -- | -- | 13 | -- | 28 | 9 | 65 |
| 1984 | 16 | -- | -- | 13 | -- | 33 | 9 | 71 |
| 1985 | 13 | -- | -- | 11 | -- | 38 | 9 | 71 |
| 1986 | 13 | -- | -- | 12 | -- | 45 | 9 | 79 |
| 1987 | 15 | -- | -- | 12 | -- | 47 | 9 | 83 |
| Other grains: 3/ | | | | | | | | |
| 1976-80 | -- | -- | 20 | * 10 | 740 | 28 | 6 | * 804 |
| 1981-85 | -- | -- | 31 | * 16 | 980 | 15 | 3 | * 1,046 |
| 1984 | -- | -- | 26 | * 18 | 904 | 20 | 3 | * 971 |
| 1985 | -- | -- | 25 | * 12 | 984 | 9 | 3 | * 1,033 |
| 1986 | -- | -- | 27 | * 14 | 1,194 | 10 | 3 | * 1,248 |
| 1987 | -- | -- | 19 | 18 | 1,120 | 10 | 4 | 1,171 |
| Total grains: | | | | | | | | |
| 1976-80 | 2,161 | 2,698 | 2,524 | * 2,958 | 7,868 | 6,354 | 4,463 | 29,026 |
| 1981-85 | 2,038 | 2,573 | 2,515 | * 2,856 | 8,094 | 6,223 | 4,292 | 28,591 |
| 1984 | 2,048 | 2,571 | 2,518 | * 2,887 | 8,159 | 6,273 | 4,272 | 28,728 |
| 1985 | 1,836 | 2,552 | 2,519 | * 2,842 | 8,205 | 6,285 | 4,219 | 28,458 |
| 1986 | 2,090 | 2,524 | 2,514 | * 2,845 | 8,264 | 6,470 | 4,197 | 28,899 |
| 1987 | 1,946 | 2,430 | 2,462 | 2,812 | 8,365 | 6,229 | 4,078 | 28,322 |

-- = Data not available, or amount less than 1,000 hectares. * = Estimate.
1/ 1987 data are preliminary. 2/ Area under socialist cultivation only.
3/ Includes buckwheat, millet, spelt, mixed grains, triticale, and sorghum.

Sources: See Explanatory Notes.

Table 5. Grain imports, Eastern Europe, 1976-80
and 1981-85 averages, and 1983-86 annual

| Commodity and country | 1976-80 | 1981-85 | 1983 | 1984 | 1985 | 1986 |
|--------------------------|----------|----------|---------|---------|---------|---------|
| 1,000 tons | | | | | | |
| Wheat: | | | | | | |
| Bulgaria | 124 | 165 | -- | 54 | 652 | 235 |
| Czechoslovakia | 519 | 202 | 219 | 206 | 105 | 92 |
| GDR | 953 | 1,189 | 1,543 | 1,657 | 1,219 | 227 |
| Hungary | 8 | 26 | 1 | -- | 28 | -- |
| Poland | 2,723 | 2,634 | 2,368 | 2,047 | 1,703 | 1,662 |
| Romania | * 687 | * 395 | * 400 | * 100 | -- | -- |
| Yugoslavia | 630 | 319 | 348 | 2 | 58 | 512 |
| Total | * 5,644 | * 4,930 | * 4,879 | * 4,066 | 3,765 | 2,728 |
| Barley: | | | | | | |
| Bulgaria | 73 | 154 | 1 | 1 | 765 | 694 |
| Czechoslovakia | 126 | 14 | -- | 50 | -- | -- |
| GDR | 782 | 890 | 1,274 | 1,444 | 796 | 1,230 |
| Hungary | 130 | 10 | 1 | 1 | -- | 102 |
| Poland | 1,410 | 368 | 354 | 79 | 383 | 192 |
| Romania | * 84 | * 160 | * 300 | * 350 | * 150 | * 741 |
| Yugoslavia | 22 | 11 | 21 | -- | 16 | 11 |
| Total | * 2,627 | * 1,607 | * 1,951 | * 1,925 | * 2,110 | * 2,970 |
| Corn: | | | | | | |
| Bulgaria | 367 | 379 | 181 | 44 | 328 | 534 |
| Czechoslovakia | 942 | 566 | 502 | 368 | 221 | 176 |
| GDR | 1,775 | 1,007 | 766 | 606 | 493 | 608 |
| Hungary | 116 | 23 | 10 | 8 | 85 | 23 |
| Poland | 1,985 | 800 | 521 | 437 | 138 | 140 |
| Romania | * 590 | * 432 | * 110 | * 20 | * 121 | * 836 |
| Yugoslavia | 240 | 77 | -- | -- | -- | 4 |
| Total | * 6,015 | * 3,284 | * 2,090 | * 1,483 | * 1,386 | * 2,321 |
| Other grains: 1/ | | | | | | |
| Bulgaria | 5 | 6 | 3 | 2 | 22 | 1 |
| Czechoslovakia | 14 | * 26 | * 8 | -- | * 64 | * 98 |
| GDR | 342 | * 198 | * 304 | * 446 | * 53 | * 301 |
| Hungary | 14 | 5 | 14 | -- | 1 | -- |
| Poland | 675 | 88 | 39 | 4 | -- | -- |
| Romania | 302 | 18 | 32 | -- | -- | -- |
| Yugoslavia | 4 | 12 | 7 | 2 | 39 | 9 |
| Total | * 1,356 | * 354 | * 407 | * 454 | * 179 | * 409 |
| Rice: | | | | | | |
| Bulgaria | 7 | 10 | 20 | 9 | 22 | 32 |
| Czechoslovakia | 78 | 68 | 48 | 73 | 74 | 61 |
| GDR | 44 | 34 | 23 | 43 | 29 | 37 |
| Hungary | 23 | 35 | 61 | 64 | 18 | 16 |
| Poland | 87 | 84 | 57 | 104 | 65 | 62 |
| Romania | * 56 | * 55 | * 64 | * 44 | * 54 | * 20 |
| Yugoslavia | 17 | 23 | 30 | -- | 21 | 22 |
| Total | * 312 | * 310 | * 303 | * 337 | * 283 | * 250 |
| Total grains: | | | | | | |
| Bulgaria | 576 | 715 | 205 | 110 | 1,789 | 1,496 |
| Czechoslovakia | 1,679 | * 877 | * 777 | * 697 | * 464 | * 427 |
| GDR | 3,896 | * 3,319 | * 3,910 | * 4,196 | * 2,590 | * 2,403 |
| Hungary | 291 | 98 | 87 | 73 | 132 | 141 |
| Poland | 6,880 | 3,974 | 3,339 | 2,671 | 2,289 | 2,056 |
| Romania | * 1,719 | * 1,061 | * 906 | * 514 | * 325 | * 1,597 |
| Yugoslavia | 913 | 443 | 406 | 4 | 134 | 558 |
| Total | * 15,954 | * 10,486 | * 9,630 | * 8,265 | * 7,723 | * 8,678 |

-- = No information reported, or amount less than 1,000 tons. * = Estimate.
1/ Rye, oats, bran, and grain sorghum.

Sources: See Explanatory Notes.

Table 6. Grain exports, Eastern Europe, 1976-80
and 1981-85 averages, and 1983-86 annual

| Commodity and country | 1976-80 | 1981-85 | 1983 | 1984 | 1985 | 1986 |
|--------------------------|---------|---------|---------|---------|---------|---------|
| 1,000 tons | | | | | | |
| Wheat: | | | | | | |
| Bulgaria | 326 | 570 | 520 | 314 | 677 | 300 |
| Czechoslovakia | -- | * 146 | * 98 | -- | * 170 | * 31 |
| GDR | 59 | * 85 | * 95 | * 87 | * 95 | * 95 |
| Hungary | 682 | 1,363 | 1,107 | 1,260 | 2,001 | 1,669 |
| Poland | -- | -- | -- | -- | -- | -- |
| Romania | * 971 | * 189 | * 100 | * 80 | * 117 | * 100 |
| Yugoslavia | 18 | 95 | 167 | 258 | -- | -- |
| Total | * 2,056 | * 2,448 | * 2,087 | * 1,999 | * 3,060 | * 2,195 |
| Barley: | | | | | | |
| Bulgaria | 18 | -- | -- | -- | -- | -- |
| Czechoslovakia | 59 | * 38 | * 50 | * 100 | -- | -- |
| GDR | 147 | * 140 | * 153 | * 125 | * 128 | * 164 |
| Hungary | 8 | 18 | 24 | 2 | 17 | 2 |
| Poland | 16 | -- | -- | -- | -- | -- |
| Romania | -- | -- | -- | -- | -- | -- |
| Yugoslavia | 4 | 7 | 1 | 8 | 4 | 3 |
| Total | 252 | * 202 | * 228 | * 235 | * 149 | * 169 |
| Corn: | | | | | | |
| Bulgaria | 84 | 19 | 39 | -- | -- | -- |
| Czechoslovakia | 6 | 3 | -- | -- | -- | -- |
| GDR | -- | -- | -- | -- | -- | -- |
| Hungary | 330 | 250 | 264 | 198 | 228 | 478 |
| Poland | -- | -- | -- | -- | -- | -- |
| Romania | * 602 | * 699 | * 430 | * 262 | * 721 | * 250 |
| Yugoslavia | 249 | 668 | 1,331 | 685 | 900 | 1,798 |
| Total | * 1,271 | * 1,639 | * 2,064 | * 1,145 | * 1,849 | * 2,526 |
| Other grains: 1/ | | | | | | |
| Bulgaria | -- | -- | -- | -- | -- | -- |
| Czechoslovakia | 4 | * 20 | * 23 | -- | * 37 | * 56 |
| GDR | 170 | * 125 | * 116 | * 100 | * 135 | * 162 |
| Hungary | 15 | 15 | 10 | 19 | 18 | * 25 |
| Poland | 18 | 182 | 99 | 397 | 416 | 53 |
| Romania | * 4 | -- | -- | -- | -- | -- |
| Yugoslavia | 6 | 3 | -- | 11 | 2 | 3 |
| Total | * 217 | * 345 | * 248 | * 527 | * 608 | * 299 |
| Rice: | | | | | | |
| Bulgaria | 1 | 9 | 11 | 14 | 14 | 12 |
| Czechoslovakia | -- | -- | -- | -- | -- | -- |
| GDR | -- | -- | -- | -- | -- | -- |
| Hungary | -- | -- | -- | -- | -- | -- |
| Poland | 1 | -- | -- | -- | -- | -- |
| Romania | -- | 4 | 3 | 4 | 3 | * 3 |
| Yugoslavia | -- | -- | -- | -- | -- | -- |
| Total | 2 | 13 | 14 | 18 | 17 | * 15 |
| Total grains: | | | | | | |
| Bulgaria | 429 | 597 | 570 | 326 | 691 | 312 |
| Czechoslovakia | 69 | * 207 | * 171 | * 100 | * 207 | * 87 |
| GDR | 376 | * 349 | * 364 | * 312 | * 358 | * 421 |
| Hungary | 1,035 | 1,645 | 1,405 | 1,479 | 2,264 | * 2,174 |
| Poland | 35 | 182 | 99 | 397 | 416 | 53 |
| Romania | * 1,577 | * 892 | * 533 | * 346 | * 841 | * 353 |
| Yugoslavia | 277 | 774 | 1,499 | 962 | 906 | 1,804 |
| Total | * 3,798 | * 4,647 | * 4,641 | * 3,924 | * 5,683 | * 5,204 |

-- = No information reported, or amount less than 1,000 tons. * = Estimate.
1/ Rye, oats, bran, and grain sorghum.

Sources: See Explanatory Notes. Data for GDR are trading partners' data.

Table 7. Production of selected crops, Eastern Europe,
1976-80 and 1981-85 averages, and 1984-87 annual 1/

| Commodity and Year | Bulgaria | Czecho- slovakia | GDR | Hungary | Poland | Romania | Yugo- slavia | Total Eastern Europe |
|--------------------------|------------|---------------------|--------|---------|--------|---------|-----------------|----------------------------|
| | 1,000 tons | | | | | | | |
| Potatoes: | | | | | | | | |
| 1976-80 | 370 | 3,678 | 9,873 | 1,567 | 42,742 | 4,431 | 2,705 | 65,366 |
| 1981-85 | 431 | 3,591 | 10,116 | 1,446 | 36,594 | 5,880 | 2,572 | 60,630 |
| 1984 | 418 | 3,978 | 11,908 | 1,551 | 37,437 | 6,391 | 2,457 | 64,140 |
| 1985 | 439 | 3,450 | 12,350 | 1,378 | 36,546 | 7,294 | 2,413 | 63,870 |
| 1986 | 491 | 3,512 | 9,997 | 1,264 | 39,000 | 9,106 | 2,652 | 66,022 |
| 1987 | 318 | 3,000 | 12,228 | 1,270 | 36,300 | 8,500 | 2,210 | 63,826 |
| Sugarbeets: | | | | | | | | |
| 1976-80 | 1,827 | 7,132 | 6,996 | 3,979 | 14,149 | 6,135 | 5,258 | 45,476 |
| 1981-85 | 1,084 | 7,283 | 7,233 | 4,461 | 15,606 | 6,074 | 6,124 | 47,865 |
| 1984 | 1,133 | 7,513 | 7,820 | 4,360 | 16,048 | 7,019 | 6,792 | 50,685 |
| 1985 | 824 | 7,680 | 7,397 | 4,073 | 14,664 | 6,446 | 6,268 | 47,352 |
| 1986 | 870 | 7,108 | 7,747 | 3,760 | 14,200 | 7,082 | 5,599 | 46,366 |
| 1987 | 772 | 7,400 | 7,683 | 4,224 | 14,720 | 5,500 | 6,238 | 46,537 |
| Sunflowerseed: | | | | | | | | |
| 1976-80 | 392 | 17 | -- | 300 | -- | 821 | 433 | 1,963 |
| 1981-85 | 450 | 39 | -- | 615 | -- | 784 | 211 | 2,099 |
| 1984 | 462 | 43 | -- | 600 | -- | 851 | 154 | 2,110 |
| 1985 | 365 | 42 | -- | 676 | -- | 710 | 233 | 2,026 |
| 1986 | 489 | 57 | -- | 857 | -- | 1,004 | 450 | 2,857 |
| 1987 | 400 | 60 | -- | 787 | -- | 650 | 484 | 2,381 |
| Rapeseed: | | | | | | | | |
| 1976-80 | -- | 151 | 291 | 81 | 637 | 12 | 60 | 1,232 |
| 1981-85 | -- | 255 | 307 | 86 | 693 | 28 | 99 | 1,469 |
| 1984 | -- | 300 | 303 | 92 | 911 | 57 | 124 | 1,787 |
| 1985 | -- | 285 | 380 | 85 | 1,073 | 35 | 126 | 1,984 |
| 1986 | -- | 305 | 446 | 120 | 1,300 | 55 | 115 | 2,341 |
| 1987 | -- | 331 | 366 | 105 | 1,200 | 40 | 68 | 2,110 |
| Soybeans: | | | | | | | | |
| 1976-80 | 114 | 4 | -- | 37 | -- | 293 | 56 | 504 |
| 1981-85 | 82 | 5 | -- | 49 | -- | 310 | 180 | 627 |
| 1984 | 72 | 4 | -- | 49 | -- | 407 | 228 | 760 |
| 1985 | 37 | 4 | -- | 46 | -- | 317 | 174 | 578 |
| 1986 | 54 | 3 | -- | 51 | -- | 472 | 225 | 805 |
| 1987 | 34 | 3 | -- | 75 | -- | 350 | 237 | 699 |
| Tobacco: | | | | | | | | |
| 1976-80 | 141 | 5 | 5 | 21 | 80 | 46 | 67 | 365 |
| 1981-85 | 127 | 6 | 5 | 21 | 100 | 30 | 74 | 363 |
| 1984 | 141 | 5 | 5 | 19 | 98 | 37 | 77 | 382 |
| 1985 | 126 | 6 | 6 | 21 | 111 | 27 | 80 | 377 |
| 1986 | 126 | 5 | 6 | 21 | 101 | 30 | 96 | 385 |
| 1987 | 126 | 5 | 6 | 21 | 110 | 27 | 72 | 367 |
| Corn silage: | | | | | | | | |
| 1976-80 | 4,866 | 14,930 | 10,951 | 6,104 | 21,512 | 4,348 | 1,253 | 63,964 |
| 1981-85 | 5,746 | 16,781 | 11,710 | 6,845 | 14,244 | 5,035 | 2,030 | 62,392 |
| 1984 | 5,536 | 16,992 | 11,211 | 6,990 | 12,463 | 4,838 | 2,435 | 60,465 |
| 1985 | 5,544 | 17,562 | 12,884 | 6,592 | 11,646 | 1,294 | 2,204 | 57,726 |
| 1986 | 6,227 | 17,812 | 12,924 | 6,226 | 11,390 | * 850 | 2,538 | * 57,967 |
| Hay: 2/ | | | | | | | | |
| 1976-80 | 2,052 | 6,129 | 4,809 | 2,903 | 8,294 | 5,636 | 3,414 | 33,237 |
| 1981-85 | 2,000 | 7,219 | 6,032 | 2,468 | 9,172 | 6,423 | 3,046 | 36,360 |
| 1984 | 2,131 | 7,536 | 6,444 | 2,504 | 9,568 | 6,964 | 3,029 | 38,176 |
| 1985 | 1,674 | 8,196 | 6,428 | 2,182 | 9,665 | 7,169 | 2,816 | 38,130 |
| 1986 | 2,283 | 7,598 | 6,013 | 2,353 | 9,496 | * 6,900 | 3,016 | * 37,659 |
| Feed roots: | | | | | | | | |
| 1976-80 | 690 | 870 | 2,401 | 692 | 9,055 | 3,605 | 749 | 18,062 |
| 1981-85 | 371 | 1,271 | 3,242 | 675 | 10,799 | 3,966 | 618 | 20,942 |
| 1984 | 307 | 1,665 | 4,109 | 736 | 10,891 | 4,770 | 617 | 23,095 |
| 1985 | 275 | 1,616 | 4,204 | 668 | 10,488 | 3,715 | 522 | 21,488 |
| 1986 | 273 | 1,327 | 4,981 | 551 | 10,522 | * 3,000 | 530 | * 21,184 |

-- = No information reported, or amount less than 1,000 tons. * = Estimate.

1/ 1987 data are preliminary and unavailable for corn silage, hay, and feed roots.

2/ Does not include meadow hay, and for Yugoslavia includes only lucerne, clover, and vetch.

Sources: See Explanatory Notes.

Table 8. Area of selected crops, Eastern Europe,
1976-80 and 1981-85 averages, and 1984-87 annual 1/

| Commodity and Year | Bulgaria | Czecho- slovakia | GDR | Hungary 2/ | Poland | Romania | Yugo- slavia | Total Eastern Europe |
|--------------------------|----------|---------------------|-----|---------------|--------|---------|-----------------|----------------------------|
| 1,000 hectares | | | | | | | | |
| Potatoes: | | | | | | | | |
| 1976-80 | 35 | 223 | 566 | 110 | 2,410 | 291 | 301 | 3,936 |
| 1981-85 | 39 | 195 | 491 | 79 | 2,179 | 312 | 279 | 3,575 |
| 1984 | 40 | 194 | 488 | 77 | 2,147 | 312 | 274 | 3,532 |
| 1985 | 40 | 188 | 475 | 70 | 2,095 | 321 | 274 | 3,463 |
| 1986 | 40 | 182 | 459 | 68 | 2,000 | 348 | 283 | 3,380 |
| 1987 | 37 | 170 | 448 | 67 | 1,934 | 350 | 271 | 3,277 |
| Sugarbeets: | | | | | | | | |
| 1976-80 | 66 | 217 | 260 | 118 | 505 | 247 | 125 | 1,538 |
| 1981-85 | 51 | 212 | 246 | 115 | 472 | 273 | 144 | 1,512 |
| 1984 | 53 | 209 | 240 | 109 | 473 | 280 | 145 | 1,509 |
| 1985 | 50 | 206 | 233 | 107 | 436 | 276 | 150 | 1,458 |
| 1986 | 45 | 194 | 224 | 104 | 423 | 270 | 138 | 1,398 |
| 1987 | 41 | 190 | 219 | 117 | 422 | 271 | 164 | 1,424 |
| Sunflowerseed: | | | | | | | | |
| 1976-80 | 233 | 13 | -- | 185 | -- | 515 | 214 | 1,160 |
| 1981-85 | 259 | 23 | -- | 309 | -- | 488 | 121 | 1,199 |
| 1984 | 253 | 27 | -- | 317 | -- | 480 | 81 | 1,158 |
| 1985 | 267 | 23 | -- | 343 | -- | 466 | 112 | 1,211 |
| 1986 | 255 | 25 | -- | 391 | -- | 470 | 188 | 1,329 |
| 1987 | 266 | 26 | -- | 378 | -- | 455 | 250 | 1,375 |
| Rapeseed: | | | | | | | | |
| 1976-80 | -- | 72 | 124 | 53 | 327 | 8 | 28 | 612 |
| 1981-85 | -- | 108 | 128 | 56 | 329 | 32 | 48 | 701 |
| 1984 | -- | 113 | 132 | 57 | 396 | 50 | 56 | 804 |
| 1985 | -- | 117 | 144 | 56 | 467 | 59 | 63 | 906 |
| 1986 | -- | 121 | 151 | 58 | 515 | 58 | 72 | 975 |
| 1987 | -- | 126 | 148 | 54 | 530 | 62 | 45 | 965 |
| Soybeans: | | | | | | | | |
| 1976-80 | 83 | 3 | -- | 25 | -- | 239 | 29 | 379 |
| 1981-85 | 74 | 3 | -- | 26 | -- | 307 | 89 | 500 |
| 1984 | 72 | 3 | -- | 30 | -- | 364 | 114 | 583 |
| 1985 | 71 | 3 | -- | 24 | -- | 319 | 101 | 518 |
| 1986 | 51 | 2 | -- | 23 | -- | 312 | 96 | 484 |
| 1987 | 36 | 2 | -- | 36 | -- | 350 | 105 | 529 |
| Tobacco: | | | | | | | | |
| 1976-80 | 116 | 4 | 3 | 16 | 51 | 48 | 62 | 300 |
| 1981-85 | 105 | 4 | 3 | 14 | 51 | 36 | 61 | 274 |
| 1984 | 104 | 4 | 4 | 12 | 50 | 35 | 61 | 270 |
| 1985 | 102 | 4 | 4 | 13 | 52 | 35 | 68 | 278 |
| 1986 | 103 | 4 | 4 | 13 | 42 | 35 | 73 | 274 |
| 1987 | 91 | 4 | 4 | 13 | 53 | 35 | 61 | 261 |
| Corn silage: | | | | | | | | |
| 1976-80 | 273 | 439 | 372 | 319 | 624 | 172 | 42 | 2,241 |
| 1981-85 | 356 | 445 | 369 | 322 | 431 | 150 | 72 | 2,146 |
| 1984 | 349 | 467 | 373 | 333 | 365 | 140 | 82 | 2,109 |
| 1985 | 519 | 440 | 361 | 276 | 308 | 75 | 88 | 2,067 |
| 1986 | 294 | 476 | 367 | 289 | 305 | * 50 | 87 | * 1,868 |
| Hay: 3/ | | | | | | | | |
| 1976-80 | 453 | 957 | 540 | 656 | 1,698 | 942 | 659 | 5,905 |
| 1981-85 | 485 | 1,006 | 602 | 583 | 1,820 | 886 | 627 | 6,009 |
| 1984 | 490 | 984 | 592 | 579 | 1,757 | 899 | 624 | 5,925 |
| 1985 | 500 | 1,013 | 600 | 572 | 1,761 | 888 | 627 | 5,961 |
| 1986 | 514 | 1,013 | 606 | 529 | 1,733 | * 870 | 622 | * 5,887 |
| Feed roots: | | | | | | | | |
| 1976-80 | 14 | 21 | 55 | 20 | 258 | 85 | 35 | 488 |
| 1981-85 | 10 | 28 | 74 | 18 | 262 | 96 | 33 | 521 |
| 1984 | 9 | 35 | 88 | 17 | 252 | 101 | 32 | 534 |
| 1985 | 10 | 37 | 91 | 17 | 238 | 83 | 32 | 508 |
| 1986 | 8 | 33 | 113 | 16 | 229 | * 70 | 32 | * 501 |

-- = No information reported, or amount less than 1,000 hectares. * = Estimate.

1/ 1987 data are preliminary and unavailable for corn silage, hay, and feed roots.

2/ Area under socialist cultivation only.

3/ Does not include meadow hay, and for Yugoslavia includes only lucerne, clover, and vetch.

Sources: See Explanatory Notes.

Table 9. Imports of selected agricultural commodities, Eastern Europe, 1976-80 and 1981-85 averages, and 1983-86 annual 1/

| Commodity and country | 1976-80 | 1981-85 | 1983 | 1984 | 1985 | 1986 |
|-----------------------------------|---------|---------|---------|---------|-------|---------|
| 1,000 tons | | | | | | |
| Oilseeds: | | | | | | |
| Bulgaria | 9 | 20 | -- | 24 | 50 | 142 |
| Czechoslovakia | 135 | * 69 | * 50 | * 72 | 50 | 32 |
| GDR | 55 | 79 | 63 | 165 | 75 | 73 |
| Hungary | 8 | 4 | -- | -- | 3 | 22 |
| Poland | 143 | 95 | 192 | 45 | 29 | -- |
| Romania | * 251 | * 254 | * 331 | * 422 | * 182 | * 435 |
| Yugoslavia | 163 | 295 | 303 | 382 | 297 | 251 |
| Total | * 764 | * 814 | * 939 | * 1,110 | * 686 | * 955 |
| Oilseed meal: | | | | | | |
| Bulgaria | 194 | 313 | 272 | 418 | 482 | 354 |
| Czechoslovakia | 643 | 755 | 701 | 801 | 785 | 741 |
| GDR | 949 | 1,082 | 1,413 | 975 | 838 | 903 |
| Hungary | 614 | 679 | 836 | 742 | 654 | 566 |
| Poland | 1,160 | 912 | 447 | 910 | 998 | 1,165 |
| Romania | 297 | * 212 | * 117 | 93 | 62 | 86 |
| Yugoslavia | 172 | 171 | 188 | 141 | 133 | 154 |
| Total | 4,029 | * 4,124 | * 3,974 | 4,080 | 3,952 | 3,969 |
| Vegetable oil, edible: | | | | | | |
| Bulgaria | 1 | * 11 | * 6 | * 24 | * 13 | 8 |
| Czechoslovakia | 44 | 46 | 51 | 44 | 43 | * 54 |
| GDR | 113 | 106 | 107 | 86 | 110 | * 71 |
| Hungary | 14 | 10 | 16 | 7 | 6 | * 35 |
| Poland | 78 | 77 | 83 | 50 | 65 | 79 |
| Romania | 9 | 6 | 2 | 5 | 4 | * 5 |
| Yugoslavia | 52 | 121 | 161 | 114 | 134 | 96 |
| Total | 311 | * 370 | * 403 | * 330 | * 375 | * 348 |
| Meat and meat products: 2/ | | | | | | |
| Bulgaria | 9 | 4 | 6 | 5 | 6 | 11 |
| Czechoslovakia | 26 | 24 | 27 | 16 | 29 | 31 |
| GDR | 24 | 57 | 112 | 69 | 17 | 10 |
| Hungary | 13 | 14 | 17 | 9 | 4 | 19 |
| Poland | 48 | 104 | 58 | 125 | 55 | 14 |
| Romania | 39 | 26 | 15 | 6 | 13 | * 15 |
| Yugoslavia | 41 | 40 | 62 | 35 | 26 | 59 |
| Total | 200 | 269 | 297 | 265 | 150 | * 159 |
| Sugar: 3/ | | | | | | |
| Bulgaria | 219 | 348 | 391 | 375 | 445 | 438 |
| Czechoslovakia | 88 | 147 | 115 | 187 | 203 | 156 |
| GDR | 209 | 261 | 246 | 313 | 265 | 304 |
| Hungary | 84 | 28 | 1 | -- | -- | -- |
| Poland | 58 | 66 | 71 | -- | -- | -- |
| Romania | 139 | 231 | 165 | 277 | 386 | * 200 |
| Yugoslavia | 85 | 133 | 139 | 296 | 13 | 10 |
| Total | 882 | 1,213 | 1,128 | 1,448 | 1,312 | * 1,108 |
| Tobacco: | | | | | | |
| Bulgaria | 7 | 26 | 26 | 42 | 30 | 41 |
| Czechoslovakia | 21 | 21 | 18 | 17 | 21 | 18 |
| GDR | 20 | 20 | 20 | 22 | 20 | 19 |
| Hungary | 7 | 6 | 7 | 5 | 5 | 6 |
| Poland | 12 | 14 | 14 | 13 | 10 | 12 |
| Romania | 1 | * 2 | * 3 | * 1 | * 3 | * 3 |
| Yugoslavia | 4 | 9 | 8 | 9 | 14 | 6 |
| Total | 72 | * 98 | * 96 | * 109 | * 103 | * 105 |
| Cotton: | | | | | | |
| Bulgaria | 57 | 72 | 89 | 67 | 87 | 80 |
| Czechoslovakia | 109 | 121 | 119 | 126 | 126 | 115 |
| GDR | 90 | 112 | 105 | 149 | 117 | 115 |
| Hungary | 93 | 85 | 81 | 87 | 81 | 95 |
| Poland | 163 | 153 | 129 | 159 | 166 | 147 |
| Romania | 111 | 101 | 63 | 87 | 102 | * 100 |
| Yugoslavia | 108 | 117 | 101 | 127 | 145 | 126 |
| Total | 731 | 761 | 687 | 802 | 824 | * 778 |
| Hides and skins: | | | | | | |
| Bulgaria | 6 | 9 | 10 | 11 | 12 | -- |
| Czechoslovakia 4/ | * 50 | * 115 | * 137 | * 178 | * 163 | * 179 |
| GDR | 17 | 12 | 12 | 11 | 10 | 9 |
| Hungary | 31 | 29 | 32 | 29 | 25 | 27 |
| Poland | 42 | 41 | 39 | 37 | 48 | 33 |
| Romania | 44 | 36 | 36 | 35 | 30 | * 30 |
| Yugoslavia | 27 | 31 | 29 | 30 | 43 | 32 |
| Total | * 217 | * 273 | * 295 | * 331 | * 331 | * 310 |

-- = No information reported, or amount less than 1,000 tons. * = Estimate.

1/ Rapeseed, soybeans, and sunflowerseed. 2/ Includes poultry meat. 3/ Total in raw equivalent.

4/ Converted from pieces to metric tons at 22 kilograms per piece.

Sources: See Explanatory Notes; statistical yearbooks of trading partners.

Table 10. Exports of selected agricultural commodities, Eastern Europe, 1976-80 and 1981-85 averages, and 1983-86 annual 1/

| Commodity and country | 1976-80 | 1981-85 | 1983 | 1984 | 1985 | 1986 |
|----------------------------|---------|---------|-------|---------|---------|---------|
| 1,000 tons | | | | | | |
| Oilseeds: | | | | | | |
| Bulgaria | 22 | 13 | 12 | 11 | 14 | 2 |
| Czechoslovakia | 2 | 1 | -- | -- | -- | -- |
| GDR | 21 | 16 | 16 | 12 | 4 | 5 |
| Hungary | 86 | 124 | 91 | 130 | 132 | 105 |
| Poland | 51 | 60 | 1 | 59 | 239 | 505 |
| Romania | 4 | * 2 | * 2 | 3 | 2 | 2 |
| Yugoslavia | 16 | 2 | 3 | 2 | 2 | 2 |
| Total | 202 | * 218 | * 125 | 217 | 393 | 621 |
| Oilseed meal: | | | | | | |
| Bulgaria | -- | -- | -- | -- | 54 | -- |
| Czechoslovakia | 20 | 1 | 1 | -- | 2 | -- |
| GDR | 6 | 5 | 13 | 7 | -- | -- |
| Hungary | * 1 | * 8 | * 1 | * 2 | -- | -- |
| Poland | * 5 | 32 | -- | 34 | 122 | 31 |
| Romania | -- | -- | -- | -- | -- | -- |
| Yugoslavia | 3 | 5 | 1 | -- | 20 | 56 |
| Total | * 35 | * 62 | * 16 | * 43 | 198 | 87 |
| Vegetable oil, edible: | | | | | | |
| Bulgaria | 16 | 32 | 37 | 70 | 7 | 16 |
| Czechoslovakia | 1 | -- | -- | -- | -- | -- |
| GDR | -- | -- | -- | -- | -- | -- |
| Hungary | 58 | 169 | 164 | 179 | 168 | 208 |
| Poland | 57 | 18 | 5 | 36 | 38 | 49 |
| Romania | 122 | 86 | 97 | 110 | 34 | 57 |
| Yugoslavia | 14 | 5 | 2 | 10 | 1 | 2 |
| Total | 268 | 308 | 305 | 405 | 248 | 332 |
| Meat and meat products: 2/ | | | | | | |
| Bulgaria | 108 | 114 | 112 | 128 | 126 | 137 |
| Czechoslovakia | 32 | 47 | 39 | 46 | -- | -- |
| GDR | 133 | * 134 | 130 | * 144 | * 137 | * 128 |
| Hungary | 285 | 423 | 441 | 490 | 414 | 421 |
| Poland | 156 | 81 | 79 | 84 | 95 | 129 |
| Romania | 187 | 173 | 110 | 145 | 266 | * 250 |
| Yugoslavia | 94 | 147 | 149 | 162 | 168 | 137 |
| Total | 995 | * 1,119 | 1,060 | * 1,199 | * 1,206 | * 1,202 |
| Sugar: 3/ | | | | | | |
| Bulgaria | 2 | 2 | -- | -- | 12 | 40 |
| Czechoslovakia | 210 | 199 | 115 | 234 | 279 | 367 |
| GDR | * 82 | * 131 | * 120 | * 111 | * 222 | * 345 |
| Hungary | 31 | 43 | 50 | 3 | 44 | 5 |
| Poland | 208 | 182 | 233 | 314 | 188 | 142 |
| Romania | * 72 | * 68 | * 79 | * 3 | * 136 | * 320 |
| Yugoslavia | 78 | 30 | 18 | 17 | 106 | 48 |
| Total | * 683 | * 656 | * 615 | * 682 | * 987 | * 1,267 |
| Tobacco: | | | | | | |
| Bulgaria | 69 | 63 | 63 | 62 | 60 | 62 |
| Czechoslovakia | 1 | -- | -- | -- | -- | -- |
| GDR | 2 | 1 | -- | -- | 1 | 1 |
| Hungary | 1 | 3 | 4 | 4 | 1 | 3 |
| Poland | 9 | 5 | 5 | 6 | 7 | 11 |
| Romania | 7 | * 4 | * 4 | * 3 | * 3 | * 3 |
| Yugoslavia | 24 | 22 | 28 | 18 | 15 | 14 |
| Total | 113 | * 98 | * 104 | * 93 | * 87 | * 94 |

-- = No information reported, or amount less than 1,000 tons. * = Estimate.

1/ Rapeseed, soybeans, and sunflowerseed. 2/ Includes poultry meat.

3/ Total in raw equivalent.

Sources: See Explanatory Notes; statistical yearbooks of trading partners.

Table 11. January livestock numbers, Eastern Europe,
1976-80 and 1981-85 averages, and 1985-88 annual 1/

| Category and year | Bulgaria | Czecho- slovakia | GDR | Hungary | Poland | Romania | Yugo- slavia | Total Eastern Europe |
|-------------------------|----------|---------------------|--------|---------|--------|---------|-----------------|----------------------------|
| 1,000 head | | | | | | | | |
| Cattle: | | | | | | | | |
| 1976-80 | 1,733 | 4,754 | 5,544 | 1,926 | 12,339 | 6,361 | 5,575 | 38,232 |
| 1981-85 | 1,783 | 5,115 | 5,756 | 1,919 | 11,163 | 6,565 | 5,366 | 37,667 |
| 1985 | 1,751 | 5,150 | 5,848 | 1,901 | 10,906 | 7,039 | 5,199 | 37,794 |
| 1986 | 1,706 | 5,066 | 5,827 | 1,766 | 10,774 | 7,077 | 5,034 | 37,250 |
| 1987 | 1,678 | 5,073 | 5,804 | 1,725 | 10,522 | 7,225 | 5,030 | 37,057 |
| 1988 | 1,649 | 5,044 | 5,721 | 1,664 | 10,200 | 7,325 | 4,881 | 36,484 |
| Cows: | | | | | | | | |
| 1976-80 | 697 | 1,902 | 2,145 | 773 | 5,914 | 2,612 | 3,181 | 17,224 |
| 1981-85 | 699 | 1,896 | 2,112 | 747 | 5,670 | 2,600 | 3,043 | 16,767 |
| 1985 | 687 | 1,880 | 2,080 | 725 | 5,605 | 2,593 | 2,997 | 16,567 |
| 1986 | 670 | 1,860 | 2,064 | 688 | 5,331 | 2,556 | 2,915 | 16,084 |
| 1987 | 653 | 1,842 | 2,045 | 676 | 5,021 | 2,680 | 2,893 | 15,810 |
| 1988 | 646 | 1,830 | 2,012 | 682 | 4,830 | 2,700 | 2,902 | 15,602 |
| Hogs: | | | | | | | | |
| 1976-80 | 3,669 | 7,240 | 11,683 | 7,805 | 20,219 | 9,997 | 7,513 | 68,126 |
| 1981-85 | 3,793 | 7,227 | 12,819 | 8,953 | 17,689 | 13,155 | 8,536 | 72,171 |
| 1985 | 3,734 | 6,743 | 13,191 | 9,255 | 17,207 | 14,777 | 8,673 | 73,580 |
| 1986 | 3,912 | 6,651 | 12,946 | 8,280 | 19,170 | 14,319 | 7,821 | 73,099 |
| 1987 | 4,050 | 6,833 | 12,840 | 8,687 | 19,619 | 14,711 | 8,459 | 75,199 |
| 1988 | 4,034 | 7,235 | 12,503 | 8,216 | 19,373 | 14,700 | 8,322 | 74,383 |
| Sheep: | | | | | | | | |
| 1976-80 | 10,105 | 837 | 1,925 | 2,560 | 3,452 | 14,818 | 7,504 | 41,201 |
| 1981-85 | 10,680 | 994 | 2,258 | 3,044 | 3,816 | 17,432 | 7,474 | 45,699 |
| 1985 | 10,501 | 1,068 | 2,528 | 2,832 | 4,413 | 18,637 | 7,678 | 47,657 |
| 1986 | 9,724 | 1,087 | 2,587 | 2,465 | 4,720 | 18,609 | 7,693 | 46,885 |
| 1987 | 9,563 | 1,104 | 2,647 | 2,337 | 4,725 | 18,762 | 7,819 | 46,957 |
| 1988 | 8,886 | 1,110 | 2,656 | 2,336 | 4,478 | 18,900 | 7,824 | 46,190 |
| Horses: | | | | | | | | |
| 1976-80 | 126 | 54 | 67 | 141 | 1,970 | 565 | 751 | 3,674 |
| 1981-85 | 119 | 45 | 83 | 111 | 1,641 | * 605 | 499 | * 3,103 |
| 1985 | 119 | 46 | 101 | 102 | 1,504 | * 640 | 438 | * 2,950 |
| 1986 | 120 | 46 | 105 | 98 | 1,324 | 672 | 409 | 2,774 |
| 1987 | 121 | 46 | 105 | 95 | 1,195 | * 686 | 384 | * 2,632 |
| 1988 | 123 | 46 | 105 | 88 | 1,200 | 700 | 362 | 2,624 |
| Poultry: | | | | | | | | |
| 1976-80 | 39,989 | 44,871 | 49,102 | 63,002 | 86,259 | 90,858 | 59,752 | 433,833 |
| 1981-85 | 42,081 | 48,676 | 52,339 | 65,082 | 70,286 | 112,258 | 69,448 | 460,170 |
| 1985 | 42,277 | 48,519 | 51,317 | 62,046 | 69,300 | 123,962 | 70,453 | 467,874 |
| 1986 | 39,227 | 47,278 | 50,680 | 61,570 | 72,300 | 124,770 | 78,281 | 474,106 |
| 1987 | 39,735 | 48,717 | 50,216 | 67,010 | 59,200 | 130,941 | 79,696 | 475,515 |
| 1988 | 41,424 | 49,500 | 50,719 | 69,000 | NA | 133,000 | 78,588 | NA |

* = Estimate. NA = Not available.

1/ 1988 data are preliminary.

Sources: See Explanatory Notes.

Table 12. Production of principal livestock products, Eastern Europe,
1976-80 and 1981-85 averages, and 1984-87 annual 1/

| Category and year | Bulgaria | Czecho-slovakia | GDR | Hungary | Poland | Romania | Yugo-slavia | Total Eastern Europe |
|---------------------------------|----------|-----------------|-------|---------|--------|---------|-------------|----------------------|
| 1,000 tons | | | | | | | | |
| Beef and veal: 2/ | | | | | | | | |
| 1976-80 | 143 | 424 | 447 | 203 | 869 | 306 | 362 | 2,754 |
| 1981-85 | 162 | 442 | 442 | 204 | 735 | * 242 | 372 | * 2,599 |
| 1984 | 166 | 462 | 436 | 203 | 725 | * 235 | 388 | * 2,615 |
| 1985 | 167 | 468 | 460 | 218 | 753 | * 245 | 367 | * 2,678 |
| 1986 | 163 | 468 | 476 | 196 | 900 | * 206 | 353 | * 2,762 |
| 1987 | 165 | 467 | 485 | 200 | 833 | 245 | 332 | 2,727 |
| Mutton, lamb, and goat meat: 2/ | | | | | | | | |
| 1976-80 | 99 | 6 | 20 | 15 | 29 | 76 | 60 | 305 |
| 1981-85 | 117 | 10 | 19 | 21 | 30 | * 74 | 60 | * 331 |
| 1984 | 123 | 11 | 21 | 23 | 28 | * 75 | 59 | * 340 |
| 1985 | 126 | 12 | 22 | 23 | 39 | * 80 | 63 | * 365 |
| 1986 | 121 | 11 | 22 | 20 | 44 | * 80 | 63 | * 361 |
| 1987 | 120 | 10 | 22 | 20 | 29 | 80 | 65 | 346 |
| Pork: 2/, 3/ | | | | | | | | |
| 1976-80 | 349 | 803 | 1,198 | 922 | 1,728 | 876 | 720 | 6,596 |
| 1981-85 | 387 | 837 | 1,317 | 1,097 | 1,406 | * 959 | 798 | * 6,801 |
| 1984 | 391 | 846 | 1,346 | 1,211 | 1,228 | * 983 | 876 | * 6,881 |
| 1985 | 390 | 853 | 1,405 | 1,100 | 1,463 | * 1,020 | 773 | * 7,004 |
| 1986 | 434 | 864 | 1,430 | 1,048 | 1,788 | * 1,012 | 795 | * 7,371 |
| 1987 | 420 | 857 | 1,460 | 1,038 | 1,729 | 1,045 | 863 | 7,412 |
| Poultry meat: 2/ | | | | | | | | |
| 1976-80 | 149 | 159 | 137 | 328 | 374 | 363 | 250 | 1,760 |
| 1981-85 | 157 | 170 | 154 | 320 | 279 | * 462 | 293 | * 1,835 |
| 1984 | 166 | 169 | 157 | 405 | 255 | * 465 | 313 | * 1,930 |
| 1985 | 158 | 172 | 162 | 405 | 290 | * 520 | 299 | * 2,006 |
| 1986 | 167 | 176 | 156 | 440 | 332 | * 548 | 329 | * 2,148 |
| 1987 | 165 | 181 | 159 | 470 | 370 | 512 | 323 | 2,180 |
| Total meat: 2/, 4/ | | | | | | | | |
| 1976-80 | 745 | 1,423 | 1,821 | 1,472 | 3,064 | 1,623 | 1,398 | 11,546 |
| 1981-85 | 826 | 1,501 | 1,954 | 1,726 | 2,587 | * 1,741 | 1,594 | * 11,928 |
| 1984 | 848 | 1,536 | 1,988 | 1,846 | 2,526 | * 1,780 | 1,708 | * 12,232 |
| 1985 | 843 | 1,547 | 2,077 | 1,745 | 2,792 | * 1,850 | 1,572 | * 12,426 |
| 1986 | 886 | 1,563 | 2,116 | 1,705 | 3,123 | * 1,811 | 1,600 | * 12,804 |
| 1987 | 872 | 1,575 | 2,145 | 1,730 | 2,965 | 1,845 | 1,585 | 12,717 |
| Milk: 5/, 6/ | | | | | | | | |
| 1976-80 | 1,653 | 5,629 | 7,136 | 2,283 | 16,805 | 4,164 | 4,136 | 41,806 |
| 1981-85 | 2,076 | 6,410 | 7,324 | 2,752 | 15,983 | 3,841 | 4,591 | 42,977 |
| 1984 | 2,164 | 6,763 | 7,638 | 2,800 | 16,742 | 4,060 | 4,577 | 44,744 |
| 1985 | 2,120 | 6,942 | 7,913 | 2,729 | 16,446 | 4,324 | 4,684 | 45,158 |
| 1986 | 2,174 | 7,075 | 8,188 | 2,778 | 15,793 | 4,243 | 4,665 | 44,916 |
| 1987 | 2,180 | 7,100 | 8,080 | 2,786 | 15,400 | 4,325 | 4,741 | 44,612 |
| Million pieces | | | | | | | | |
| Eggs: | | | | | | | | |
| 1976-80 | 2,163 | 4,691 | 5,287 | 4,475 | 8,523 | 6,583 | 4,117 | 35,839 |
| 1981-85 | 2,585 | 5,247 | 5,718 | 4,351 | 8,186 | 7,577 | 4,588 | 38,251 |
| 1984 | 2,680 | 5,504 | 5,779 | 4,327 | 8,202 | 8,013 | 4,640 | 39,145 |
| 1985 | 2,742 | 5,499 | 5,596 | 4,228 | 8,636 | 8,235 | 4,692 | 39,628 |
| 1986 | 2,820 | 5,558 | 5,634 | 4,290 | 8,303 | 8,884 | 4,770 | 40,259 |
| 1987 | 2,846 | 5,544 | 5,650 | 4,120 | 8,000 | 9,000 | 4,922 | 40,082 |

* = Estimate.

1/ 1987 data are preliminary.

2/ Data include offal and edible slaughter fat, and live animal exports for slaughter. CMEA data except for Yugoslavia.

3/ Yugoslav series revised to omit double counting of some offals.

4/ Data include horse and rabbit meat.

5/ Data include only cow milk for consumption in Romania, Yugoslavia, and Hungary. Data in the remaining countries include milk sucked by calves.

6/ The GDR began a new series for milk production in 1986, based on 4.0 percent fat content. In consequence, the present series has been revised, converting earlier data by dividing by a factor of 1.1428.

Sources: See Explanatory Notes; various reports of U.S. Agricultural Counselors in Belgrade, Berlin, Budapest, and Warsaw.

Table 13. Per capita consumption of selected foods,
Eastern Europe, 1975, 1980, and 1983-87 1/

| Commodity and year | Bulgaria | Czecho- slovakia | GDR | Hungary | Poland | Romania 2/ | Yugo- slavia |
|--------------------------------|----------|---------------------|------|---------|--------|---------------|-----------------|
| Kilograms | | | | | | | |
| Total meat: 3/ | | | | | | | |
| 1975 | 60.6 | 81.1 | 77.8 | 89.9 | 78.4 | 45.7 | 48.3 |
| 1980 | 64.9 | 85.6 | 89.5 | 93.6 | 82.1 | 60.0 | 54.2 |
| 1983 | 73.8 | 83.7 | 92.1 | 98.3 | 65.4 | 4/ 58.0 | 53.1 |
| 1984 | 74.5 | 84.8 | 94.4 | 101.2 | 63.6 | 4/ 57.0 | 56.6 |
| 1985 | 76.9 | 85.8 | 96.2 | 100.5 | 67.3 | 4/ 56.0 | 54.6 |
| 1986 | * 78.0 | 87.3 | 97.0 | 101.2 | 73.7 | 4/ 56.0 | * 54.0 |
| 1987 | 77.0 | 87.4 | 99.4 | 101.5 | 70.0 | 4/ 55.0 | 54.0 |
| Eggs: 5/ | | | | | | | |
| 1975 | 146 | 297 | 269 | 274 | 209 | 214 | 166 |
| 1980 | 204 | 316 | 289 | 317 | 223 | 270 | 190 |
| 1983 | 231 | 328 | 302 | 327 | 200 | 270 | 193 |
| 1984 | 236 | 337 | 303 | 320 | 210 | 270 | 175 |
| 1985 | 256 | 344 | 305 | 325 | 220 | 280 | 174 |
| 1986 | 256 | 346 | 299 | 315 | 208 | 295 | * 175 |
| Vegetable oil: 6/ | | | | | | | |
| 1975 | 14.1 | 9.2 | 10.4 | 2.9 | 6.5 | -- | 10.6 |
| 1980 | 14.8 | 9.8 | 9.9 | 4.2 | 6.8 | -- | 11.3 |
| 1983 | 14.8 | 10.1 | 10.1 | 5.0 | 5.8 | -- | 12.3 |
| 1984 | 15.0 | 10.4 | 10.2 | 4.9 | 6.8 | -- | 11.8 |
| 1985 | 15.5 | 10.6 | 10.3 | 5.3 | 7.1 | -- | 12.7 |
| 1986 | 15.4 | -- | 9.9 | 5.6 | 6.8 | -- | * 13.0 |
| Sugar: | | | | | | | |
| 1975 | 32.5 | 38.0 | 36.8 | 39.4 | 43.2 | 20.3 | 32.8 |
| 1980 | 34.7 | 37.5 | 40.6 | 37.9 | 41.4 | 28.2 | 36.6 |
| 1983 | 35.4 | 37.8 | 39.2 | 35.6 | 45.0 | -- | 34.5 |
| 1984 | 35.7 | 37.5 | 39.1 | 34.2 | 45.0 | -- | 31.8 |
| 1985 | 35.1 | 35.4 | 39.6 | 35.3 | 41.3 | -- | 35.3 |
| 1986 | 35.1 | 37.5 | 39.6 | 35.0 | 41.0 | -- | * 35.0 |
| Grain, in flour equivalent: | | | | | | | |
| 1975 | 162 | 108 | 95 | 118 | 120 | 189 | 183 |
| 1980 | 160 | 107 | 95 | 115 | 127 | 172 | 178 |
| 1983 | 150 | 108 | 97 | 111 | 118 | 173 | 178 |
| 1984 | 146 | 109 | 100 | 111 | 116 | 173 | 174 |
| 1985 | 144 | 111 | 99 | 110 | 118 | 174 | 175 |
| 1986 | 144 | 110 | 98 | 109 | 117 | 175 | * 175 |
| Vegetables: | | | | | | | |
| 1975 | 127 | 74 | 90 | 85 | 109 | 113 | 87 |
| 1980 | 125 | 66 | 94 | 80 | 101 | 140 | 97 |
| 1983 | 127 | 71 | 91 | 78 | 103 | 170 | 83 |
| 1984 | 138 | 81 | 93 | 77 | 116 | 170 | 91 |
| 1985 | 127 | 75 | 104 | 76 | 105 | 170 | 81 |
| 1986 | 134 | 74 | 100 | 75 | 114 | 170 | * 85 |
| Potatoes: | | | | | | | |
| 1975 | 23 | 96 | 142 | 67 | 173 | 96 | 66 |
| 1980 | 27 | 76 | 143 | 61 | 158 | 71 | 61 |
| 1983 | 31 | 79 | 144 | 58 | 154 | 100 | 61 |
| 1984 | 30 | 81 | 146 | 59 | 149 | 105 | 55 |
| 1985 | 33 | 78 | 143 | 54 | 143 | 105 | 51 |
| 1986 | 33 | 80 | 145 | 53 | 144 | 110 | * 52 |

-- = Data not available. * = Estimate.

1/ 1987 data are preliminary and available for meat only. 2/ Revista Economica, Bucharest, Dec. 29, 1978; Lumea, Oct. 30, 1981; Bucharest Domestic Service, Nov. 1, 1981; Scinteia, Nov. 29, 1981, Bucharest; unpublished official statistics; estimates. 3/ Hungarian series revised to include edible offals and fats. Vestnik statistiki #4, 1985, Moscow. 4/ Includes fish. Estimates may overstate consumption. Reports indicate a decline in meat availability in urban areas in recent years as exports have increased. 5/ Units. 6/ Numbers for Bulgaria and Hungary exclude vegetable oil used in margarine production. All numbers believed to be given in fat weight.

Sources: See Explanatory Notes and footnotes 2 and 3 above.

Table 14. Total and agricultural trade, Eastern Europe, 1981-87 1/

| Category and year | Bulgaria | Czecho-slovakia | GDR | Hungary | Poland | Romania | Yugo-slavia | Total Eastern Europe |
|-----------------------------|----------|-----------------|--------|---------|--------|---------|-------------|----------------------|
| \$ million | | | | | | | | |
| Exports: | | | | | | | | |
| 1981 | 10,685 | 14,782 | 19,856 | 8,894 | 13,249 | 12,367 | 10,363 | 90,196 |
| 1982 | 11,428 | 15,694 | 21,743 | 9,057 | 11,214 | 11,559 | 10,460 | 91,155 |
| 1983 | 12,129 | 16,477 | 23,793 | 8,881 | 11,572 | 11,512 | 9,913 | 94,277 |
| 1984 | 12,850 | 17,153 | 24,838 | 8,836 | 11,647 | 12,646 | 10,136 | 98,106 |
| 1985 | 13,341 | 17,474 | 25,268 | 8,935 | 11,489 | 12,167 | 10,622 | 99,296 |
| 1986 | 12,963 | 20,456 | 24,189 | 9,140 | 11,913 | 12,543 | 11,084 | 102,288 |
| 1987 | 13,415 | 21,150 | 23,730 | 9,780 | 12,460 | 14,185 | 11,505 | 106,225 |
| Imports: | | | | | | | | |
| 1981 | 10,779 | 14,634 | 20,181 | 8,855 | 15,476 | 12,264 | 15,528 | 97,717 |
| 1982 | 11,527 | 15,592 | 20,196 | 8,579 | 10,244 | 9,745 | 12,484 | 88,367 |
| 1983 | 12,283 | 16,324 | 21,525 | 8,453 | 10,590 | 9,643 | 11,144 | 89,962 |
| 1984 | 12,714 | 17,078 | 22,940 | 8,024 | 10,547 | 10,334 | 10,925 | 92,562 |
| 1985 | 13,647 | 17,548 | 22,433 | 8,324 | 10,836 | 10,432 | 11,210 | 94,430 |
| 1986 | 13,925 | 21,055 | 22,100 | 9,688 | 11,114 | 10,590 | 11,786 | 100,258 |
| 1987 | 14,410 | 21,350 | 21,130 | 10,170 | 11,660 | 11,000 | 12,723 | 102,443 |
| Balance: | | | | | | | | |
| 1981 | -94 | 148 | -325 | 39 | -2,227 | 103 | -5,165 | -7,521 |
| 1982 | -99 | 102 | 1,547 | 478 | 970 | 1,814 | -2,024 | 2,788 |
| 1983 | -154 | 153 | 2,268 | 428 | 982 | 1,869 | -1,231 | 4,315 |
| 1984 | 136 | 75 | 1,898 | 812 | 1,100 | 2,312 | -789 | 5,544 |
| 1985 | -306 | -74 | 2,835 | 611 | 653 | 1,735 | -588 | 4,866 |
| 1986 | -962 | -599 | 2,089 | -548 | 799 | 1,953 | -702 | 2,030 |
| 1987 | -995 | -200 | 2,600 | -390 | 800 | 3,185 | -1,218 | 3,782 |
| Agricultural exports: | | | | | | | | |
| 1981 | 1,796 | 636 | 609 | 2,251 | 661 | 1,320 | 1,202 | 8,475 |
| 1982 | 1,873 | 586 | 489 | 2,243 | 666 | 1,011 | 1,252 | 8,120 |
| 1983 | 1,763 | 553 | 403 | 2,038 | 789 | 845 | 1,188 | 7,579 |
| 1984 | 1,594 | 516 | 387 | 1,965 | 907 | 774 | 1,081 | 7,224 |
| 1985 | 1,554 | 580 | 425 | 1,847 | 961 | 833 | 1,020 | 7,220 |
| 1986 | 1,659 | 612 | 498 | 1,878 | 979 | 880 | 940 | 7,446 |
| Agricultural imports: | | | | | | | | |
| 1981 | 798 | 1,890 | 2,224 | 1,041 | 3,104 | 1,573 | 1,478 | 12,108 |
| 1982 | 629 | 1,783 | 2,019 | 732 | 1,874 | 844 | 1,308 | 9,189 |
| 1983 | 820 | 1,685 | 2,443 | 796 | 1,347 | 752 | 1,104 | 8,947 |
| 1984 | 829 | 1,619 | 2,331 | 759 | 1,490 | 682 | 1,149 | 8,859 |
| 1985 | 1,107 | 1,767 | 1,743 | 729 | 1,369 | 558 | 1,099 | 8,372 |
| 1986 | 1,091 | 1,868 | 1,910 | 859 | 1,310 | 729 | 1,212 | 8,979 |
| Agricultural trade balance: | | | | | | | | |
| 1981 | 998 | -1,254 | -1,615 | 1,210 | -2,443 | -253 | -276 | -3,633 |
| 1982 | 1,244 | -1,197 | -1,530 | 1,511 | -1,208 | 167 | -56 | -1,069 |
| 1983 | 943 | -1,132 | -2,040 | 1,242 | -558 | 93 | 84 | -1,368 |
| 1984 | 765 | -1,103 | -1,944 | 1,206 | -583 | 92 | -68 | -1,635 |
| 1985 | 447 | -1,187 | -1,318 | 1,118 | -408 | 275 | -79 | -1,152 |
| 1986 | 568 | -1,256 | -1,412 | 1,019 | -331 | 151 | -272 | -1,533 |

1/ 1987 data are preliminary and unavailable for agricultural trade.

Sources: See Explanatory Notes; United Nations and IMF data for total imports and exports.

Table 15. U.S. total and agricultural trade with Eastern Europe,
1976-80 and 1981-85 averages, and 1985-87 annual

| Category and year | Bulgaria | Czecho- slovakia | GDR | Hungary | Poland | Romania | Yugo- slavia | Total Eastern Europe |
|--------------------------------------|----------|---------------------|-------|---------|--------|---------|-----------------|----------------------------|
| \$ million | | | | | | | | |
| Total exports: | | | | | | | | |
| 1976-80 | 68.7 | 206.2 | 366.0 | 85.0 | 666.3 | 418.3 | 548.4 | 2,359.0 |
| 1981-85 | 116.8 | 80.4 | 188.2 | 86.5 | 370.3 | 282.3 | 567.7 | 1,692.2 |
| 1985 | 103.5 | 62.6 | 76.9 | 92.1 | 238.3 | 207.3 | 593.2 | 1,373.9 |
| 1986 | 95.9 | 67.5 | 70.6 | 88.2 | 145.9 | 249.2 | 520.8 | 1,238.1 |
| 1987 | 88.3 | 46.9 | 56.9 | 94.1 | 241.9 | 192.1 | 459.4 | 1,179.6 |
| Total imports: | | | | | | | | |
| 1976-80 | 21.6 | 49.2 | 29.0 | 76.5 | 385.0 | 284.3 | 389.7 | 1,235.4 |
| 1981-85 | 29.6 | 70.1 | 78.6 | 170.5 | 239.2 | 637.9 | 439.6 | 1,665.4 |
| 1985 | 34.0 | 74.9 | 90.3 | 216.6 | 217.0 | 881.3 | 552.5 | 2,066.6 |
| 1986 | 49.7 | 85.3 | 85.3 | 223.9 | 231.0 | 750.0 | 647.1 | 2,072.3 |
| 1987 | 37.3 | 78.1 | 84.3 | 278.8 | 295.6 | 716.3 | 797.0 | 2,287.4 |
| Balance: | | | | | | | | |
| 1976-80 | 47.2 | 157.0 | 337.0 | 8.5 | 281.2 | 134.0 | 158.7 | 1,123.6 |
| 1981-85 | 87.2 | 10.3 | 109.7 | -84.0 | 131.1 | -355.6 | 128.1 | 26.8 |
| 1985 | 69.5 | -12.3 | -13.4 | -124.5 | 21.3 | -674.0 | 40.7 | -692.7 |
| 1986 | 46.2 | -17.8 | -14.7 | -135.7 | -85.1 | -500.8 | -126.3 | -834.2 |
| 1987 | 51.0 | -31.2 | -27.4 | -184.7 | -53.7 | -524.2 | -337.6 | -1,107.8 |
| Direct agricul- tural exports: 1/ | | | | | | | | |
| 1976-80 | 48.4 | 133.6 | 206.8 | 31.6 | 500.0 | 247.5 | 156.1 | 1,324.0 |
| 1981-85 | 73.3 | 37.9 | 162.6 | 31.2 | 252.9 | 171.7 | 182.4 | 912.0 |
| 1985 | 50.9 | 19.4 | 64.9 | 35.3 | 92.2 | 81.4 | 135.0 | 479.1 |
| 1986 | 51.3 | 21.0 | 61.1 | 27.1 | 33.1 | 116.1 | 124.4 | 434.1 |
| 1987 | 46.7 | 16.3 | 35.1 | 19.2 | 103.3 | 98.8 | 116.3 | 435.7 |
| Total agricul- tural exports: 2/ | | | | | | | | |
| 1976-80 | 50.8 | 181.2 | 352.1 | 37.0 | 519.1 | 256.0 | 171.1 | 1,567.2 |
| 1981-85 | 74.5 | 49.5 | 176.9 | 31.2 | 254.0 | 180.7 | 191.8 | 958.6 |
| 1985 | 50.9 | 19.4 | 64.9 | 35.3 | 92.2 | 81.4 | 135.0 | 479.1 |
| 1986 | 51.3 | 21.0 | 61.1 | 27.1 | 33.1 | 116.1 | 124.4 | 434.1 |
| 1987 | 46.7 | 16.3 | 35.1 | 19.2 | 103.3 | 98.8 | 116.3 | 435.7 |
| Total agricul- tural imports: 2/ | | | | | | | | |
| 1976-80 | 19.9 | 6.7 | 2.1 | 29.0 | 148.8 | 26.5 | 85.2 | 318.1 |
| 1981-85 | 23.5 | 10.2 | 1.8 | 42.4 | 96.9 | 19.0 | 64.6 | 258.5 |
| 1985 | 20.8 | 7.6 | 2.5 | 55.7 | 106.9 | 8.9 | 60.9 | 263.3 |
| 1986 | 22.1 | 14.3 | 0.5 | 61.9 | 132.2 | 12.4 | 66.6 | 310.0 |
| 1987 | 24.0 | 13.0 | 0.5 | 67.8 | 141.1 | 19.4 | 68.8 | 334.6 |
| Balance: | | | | | | | | |
| 1976-80 | 30.9 | 174.4 | 350.1 | 8.0 | 370.3 | 229.6 | 85.8 | 1,249.1 |
| 1981-85 | 51.0 | 39.3 | 175.1 | -11.2 | 157.1 | 161.7 | 127.1 | 700.1 |
| 1985 | 30.1 | 11.8 | 62.4 | -20.4 | -14.7 | 72.5 | 74.1 | 215.8 |
| 1986 | 29.2 | 6.7 | 60.6 | -34.8 | -99.1 | 103.7 | 57.8 | 124.1 |
| 1987 | 22.7 | 3.3 | 34.6 | -48.6 | -37.8 | 79.4 | 47.5 | 101.1 |

1/ Includes estimated transshipments through Canada. 2/ Data from before 1984 include estimated transshipments through Belgium, Canada, the Federal Republic of Germany, and the Netherlands, in addition to Canada. Beginning in 1984, the non-Canadian transshipments are not included because of their decline in value and the difficulty in obtaining data.

Sources: Bureau of the Census, Dept. of Commerce; U.S. Export Sales, FAS/USDA.

Table 16. Volume and value of U.S. agricultural exports to Eastern Europe,
1976-80 and 1981-85 averages, and 1985-87 annual 1/

| Commodity and country | Volume | | | | | Value | | | | |
|-----------------------------|------------|---------|------|-------|-------|------------|---------|-------|-------|-------|
| | 1976-80 | 1981-85 | 1985 | 1986 | 1987 | 1976-80 | 1981-85 | 1985 | 1986 | 1987 |
| | 1,000 tons | | | | | \$ million | | | | |
| Total grain: | | | | | | | | | | |
| Bulgaria | 230 | 326 | 269 | 194 | 448 | 27.8 | 44.9 | 28.8 | 22.3 | 33.3 |
| Czechoslovakia | 723 | 180 | -- | -- | -- | 97.2 | 23.3 | -- | -- | -- |
| GDR | 2,074 | 1,086 | 457 | 338 | 307 | 265.9 | 142.6 | 49.9 | 30.7 | 22.9 |
| Hungary | 44 | 5 | -- | -- | -- | 5.2 | 0.2 | -- | -- | -- |
| Poland | 2,769 | 696 | 167 | 62 | 1,118 | 330.5 | 102.4 | 23.1 | 8.9 | 82.5 |
| Romania | 864 | 394 | 105 | 322 | -- | 107.1 | 57.5 | 10.7 | 30.9 | -- |
| Yugoslavia | 522 | 218 | -- | 366 | 671 | 73.0 | 28.9 | -- | 33.2 | 50.2 |
| Total | 7,226 | 2,906 | 998 | 1,282 | 2,544 | 906.7 | 399.7 | 112.5 | 126.0 | 188.9 |
| Wheat: | | | | | | | | | | |
| Bulgaria | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Czechoslovakia | 165 | -- | -- | -- | -- | 28.9 | -- | -- | -- | -- |
| GDR | 294 | 56 | -- | -- | -- | 45.7 | 10.2 | -- | -- | -- |
| Hungary | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Poland | 617 | 73 | 85 | 59 | 903 | 83.1 | 12.0 | 12.3 | 7.9 | 70.4 |
| Romania | 244 | 13 | -- | -- | -- | 33.9 | 1.7 | -- | -- | -- |
| Yugoslavia | 250 | 135 | -- | 364 | 437 | 41.9 | 19.1 | -- | 32.4 | 33.5 |
| Total | 1,570 | 277 | 85 | 423 | 1,340 | 233.5 | 42.9 | 12.3 | 40.3 | 103.9 |
| Corn: | | | | | | | | | | |
| Bulgaria | 240 | 314 | 210 | 194 | 448 | 27.8 | 41.9 | 23.3 | 22.3 | 33.3 |
| Czechoslovakia | 549 | 180 | -- | -- | -- | 67.0 | 23.3 | -- | -- | -- |
| GDR | 1,650 | 947 | 457 | 336 | 305 | 207.0 | 122.4 | 49.9 | 30.0 | 22.4 |
| Hungary | 21 | -- | -- | -- | -- | 2.4 | -- | -- | -- | -- |
| Poland | 1,840 | 617 | 78 | -- | 11 | 212.1 | 87.6 | 9.9 | -- | 0.8 |
| Romania | 544 | 382 | 105 | 211 | -- | 66.1 | 55.7 | 10.7 | 20.8 | -- |
| Yugoslavia | 254 | 77 | -- | -- | 209 | 29.4 | 9.1 | -- | -- | 14.6 |
| Total | 5,098 | 2,516 | 850 | 741 | 973 | 611.8 | 339.9 | 93.8 | 73.1 | 71.1 |
| Soybeans: | | | | | | | | | | |
| Bulgaria | -- | 13 | 22 | 47 | 45 | -- | 3.6 | 5.0 | 9.7 | 9.1 |
| Czechoslovakia | 6 | 5 | 13 | -- | -- | 4.4 | 1.2 | 3.1 | -- | -- |
| GDR | 5 | 3 | -- | 12 | -- | 1.2 | 0.8 | -- | 3.8 | -- |
| Hungary | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Poland | 134 | 91 | -- | -- | -- | 35.6 | 23.4 | -- | -- | -- |
| Romania | 222 | 234 | 98 | 239 | 408 | 54.9 | 61.5 | 22.4 | 49.5 | 81.8 |
| Yugoslavia | 155 | 238 | 235 | 179 | 139 | 42.2 | 61.1 | 50.2 | 36.6 | 27.5 |
| Total | 522 | 584 | 368 | 477 | 592 | 138.3 | 151.7 | 80.7 | 99.6 | 118.4 |
| Vegetable oil: | | | | | | | | | | |
| Bulgaria | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Czechoslovakia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GDR | 1 | -- | -- | -- | -- | 1.0 | -- | -- | -- | -- |
| Hungary | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Poland | 15 | 9 | 4 | 4 | 1 | 8.8 | 7.2 | 4.0 | 2.5 | .7 |
| Romania | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Yugoslavia | 4 | 31 | -- | -- | -- | 2.4 | 13.4 | -- | -- | -- |
| Total | 20 | 40 | 4 | 4 | 1 | 12.2 | 20.6 | 4.0 | 2.5 | .7 |
| Soybean meal and cake: | | | | | | | | | | |
| Bulgaria | 73 | 71 | -- | 18 | -- | 16.9 | 16.8 | -- | 3.0 | -- |
| Czechoslovakia | 281 | 39 | -- | -- | -- | 56.7 | 8.5 | -- | -- | -- |
| GDR | 345 | 101 | 47 | 116 | 26 | 75.7 | -- | 8.4 | 22.6 | 6.1 |
| Hungary | 95 | 91 | 105 | 77 | 72 | 22.8 | 20.0 | 18.7 | 18.6 | 15.3 |
| Poland | 356 | 148 | 81 | -- | 27 | 76.1 | 35.2 | 13.9 | -- | 6.7 |
| Romania | 158 | 91 | 24 | 26 | 11 | 36.0 | 24.1 | 4.7 | 6.7 | 2.8 |
| Yugoslavia | 133 | 111 | 59 | 118 | 97 | 27.8 | 24.8 | 12.7 | 24.2 | 19.7 |
| Total | 1,441 | 653 | 316 | 355 | 233 | 312.0 | 154.1 | 58.4 | 75.1 | 50.6 |

See notes at end of table.

Continued--

Table 16. Volume and value of U.S. agricultural exports to Eastern Europe, 1976-80 and 1981-85 averages, and 1985-87 annual--continued 1/

| Commodity and country | Volume | | | | | Value | | | | |
|-----------------------|------------|---------|-------|-------|------|------------|---------|-------|-------|-------|
| | 1976-80 | 1981-85 | 1985 | 1986 | 1987 | 1976-80 | 1981-85 | 1985 | 1986 | 1987 |
| | 1,000 tons | | | | | \$ million | | | | |
| Cotton: | | | | | | | | | | |
| Bulgaria | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Czechoslovakia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GDR | -- | 1 | 1 | -- | 1 | -- | .2 | .8 | -- | 1.5 |
| Hungary | -- | -- | -- | -- | -- | -- | .8 | -- | -- | -- |
| Poland | 8 | 1 | -- | -- | 5 | 12.3 | 3.0 | -- | -- | 8.2 |
| Romania | 10 | -- | -- | -- | -- | 15.4 | -- | -- | -- | -- |
| Yugoslavia | -- | 19 | 28 | 4 | 2 | -- | 33.2 | 47.2 | 8.0 | 5.1 |
| Total | 18 | 21 | 29 | 4 | 8 | 27.7 | 37.2 | 48.0 | 8.0 | 14.8 |
| Cattle hides: 2/ | | | | | | | | | | |
| Bulgaria | 41 | 29 | 79 | 10 | -- | 1.1 | 1.3 | 3.1 | .4 | -- |
| Czechoslovakia | 589 | 464 | 418 | 524 | 315 | 15.2 | 14.3 | 13.9 | 19.1 | 14.1 |
| GDR | 33 | -- | -- | -- | -- | .7 | .1 | -- | -- | -- |
| Hungary | 183 | 99 | 39 | 40 | 19 | 3.9 | 3.3 | 1.6 | 1.4 | .6 |
| Poland | 441 | 402 | 403 | 179 | 39 | 12.6 | 12.1 | 13.5 | 6.3 | 1.5 |
| Romania | 1,486 | 1,028 | 1,169 | 705 | 293 | 38.8 | 34.5 | 41.0 | 25.0 | 12.9 |
| Yugoslavia | 461 | 379 | 383 | 206 | 81 | 9.9 | 15.7 | 16.3 | 12.3 | 4.7 |
| Total | 3,234 | 2,400 | 2,491 | 1,664 | 747 | 82.2 | 81.3 | 89.4 | 64.5 | 33.8 |
| Other: | | | | | | | | | | |
| Bulgaria | -- | -- | -- | -- | -- | 4.9 | 7.9 | 14.0 | 15.9 | 4.3 |
| Czechoslovakia | -- | -- | -- | -- | -- | 10.3 | 2.2 | 2.4 | 1.9 | 2.2 |
| GDR | -- | -- | -- | -- | -- | 3.5 | 8.6 | 5.8 | 4.0 | 4.6 |
| Hungary | -- | -- | -- | -- | -- | 4.6 | 6.9 | 15.0 | 7.1 | 3.3 |
| Poland | -- | -- | -- | -- | -- | 42.6 | 70.8 | 37.7 | 15.4 | 3.7 |
| Romania | -- | -- | -- | -- | -- | 5.8 | 3.1 | 2.6 | 4.0 | 1.3 |
| Yugoslavia | -- | -- | -- | -- | -- | 26.6 | 14.6 | 8.6 | 10.1 | 9.1 |
| Total | -- | -- | -- | -- | -- | 98.3 | 114.1 | 86.1 | 58.4 | 28.5 |
| Total: | | | | | | | | | | |
| Bulgaria | -- | -- | -- | -- | -- | 50.7 | 74.5 | 50.9 | 51.3 | 46.7 |
| Czechoslovakia | -- | -- | -- | -- | -- | 183.8 | 49.5 | 19.4 | 21.0 | 16.3 |
| GDR | -- | -- | -- | -- | -- | 348.0 | 176.9 | 64.9 | 61.1 | 35.1 |
| Hungary | -- | -- | -- | -- | -- | 36.5 | 31.2 | 35.3 | 27.1 | 19.2 |
| Poland | -- | -- | -- | -- | -- | 518.5 | 254.0 | 92.2 | 33.1 | 103.3 |
| Romania | -- | -- | -- | -- | -- | 258.0 | 180.7 | 81.4 | 116.1 | 98.8 |
| Yugoslavia | -- | -- | -- | -- | -- | 181.9 | 191.8 | 135.0 | 124.4 | 116.3 |
| Total | -- | -- | -- | -- | -- | 1,577.4 | 958.6 | 479.1 | 434.1 | 435.7 |

-- = Amount less than 1,000 tons, \$1 million, or not applicable.

1/ Data from before 1984 include estimated transshipments through Belgium, Canada, the Federal Republic of Germany, and the Netherlands, in addition to Canada. Beginning in 1984, the non-Canadian transshipments are not included because of their decline in value and the difficulty in obtaining data.

2/ 1,000 pieces.

Sources: Bureau of the Census, U.S. Dept. of Commerce.

Table 17. Volume and value of U.S. agricultural imports from Eastern Europe, 1976-80 and 1981-85 averages, and 1985-87 annual

| Commodity and country | 1976-80 | 1981-85 | 1985 | 1986 | 1987 |
|-----------------------|---------|---------|-------|-------|-------|
| 1,000 tons | | | | | |
| Processed meat: | | | | | |
| Bulgaria | -- | -- | -- | -- | -- |
| Czechoslovakia | 1.1 | 1.2 | 1.2 | 1.0 | 1.0 |
| GDR | -- | -- | -- | -- | -- |
| Hungary | 7.6 | 11.2 | 17.4 | 15.7 | 16.3 |
| Poland | 39.4 | 25.7 | 32.7 | 36.6 | 37.7 |
| Romania | 6.9 | 3.9 | 2.0 | 3.5 | 6.7 |
| Yugoslavia | 14.6 | 11.0 | 9.4 | 8.5 | 10.4 |
| Total | 69.6 | 52.9 | 62.7 | 65.3 | 72.1 |
| \$ million | | | | | |
| Processed meat: | | | | | |
| Bulgaria | -- | -- | -- | -- | -- |
| Czechoslovakia | 3.4 | 3.2 | 2.5 | 2.6 | 2.7 |
| GDR | .1 | -- | -- | -- | -- |
| Hungary | 23.7 | 31.3 | 40.6 | 41.5 | 43.9 |
| Poland | 131.3 | 81.0 | 91.7 | 115.1 | 121.0 |
| Romania | 18.9 | 9.0 | 3.9 | 7.6 | 16.0 |
| Yugoslavia | 47.2 | 30.9 | 20.6 | 22.9 | 29.9 |
| Total | 224.6 | 155.5 | 159.3 | 189.7 | 213.5 |
| Other products: 1/ | | | | | |
| Bulgaria | 19.9 | 23.5 | 20.8 | 22.1 | 24.0 |
| Czechoslovakia | 3.3 | 7.0 | 5.1 | 11.5 | 10.2 |
| GDR | 2.0 | 1.8 | 2.5 | .5 | .5 |
| Hungary | 5.2 | 11.1 | 15.1 | 20.4 | 23.9 |
| Poland | 17.5 | 16.0 | 15.2 | 18.1 | 20.1 |
| Romania | 7.6 | 10.0 | 5.0 | 4.8 | 3.4 |
| Yugoslavia | 38.0 | 33.7 | 40.3 | 43.7 | 38.9 |
| Total | 93.5 | 103.1 | 104.0 | 121.1 | 121.0 |
| Total: | | | | | |
| Bulgaria | 19.9 | 23.5 | 20.8 | 22.1 | 24.0 |
| Czechoslovakia | 6.7 | 10.2 | 7.6 | 14.1 | 12.9 |
| GDR | 2.1 | 1.8 | 2.5 | .5 | .5 |
| Hungary | 28.9 | 42.4 | 55.7 | 61.9 | 67.8 |
| Poland | 148.8 | 96.9 | 106.9 | 133.2 | 141.1 |
| Romania | 26.5 | 19.0 | 8.9 | 12.4 | 19.4 |
| Yugoslavia | 85.2 | 64.6 | 60.9 | 66.6 | 68.8 |
| Total | 318.1 | 258.5 | 263.3 | 310.8 | 334.5 |

-- = Amount less than 1,000 tons, \$1 million, or not applicable.

1/ Principally tobacco and wine.

Sources: Bureau of the Census, U.S. Dept. of Commerce.

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U.S. GOVERNMENT PRINTING OFFICE: 1969

| Country | 1960 | 1965 | 1970 | 1975 | 1980 |
|-------------|------|------|------|------|------|
| Agriculture | | | | | |
| Barley | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Buckwheat | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Oats | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Rye | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Wheat | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Barley | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Buckwheat | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Oats | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Rye | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Wheat | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Livestock | | | | | |
| Cattle | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Sheep | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Pigs | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Birds | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Bees | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Other | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Fishing | | | | | |
| Salmon | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Trout | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Other | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Total | | | | | |
| Barley | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Buckwheat | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Oats | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Rye | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Wheat | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Barley | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Buckwheat | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Oats | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Rye | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Wheat | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Livestock | | | | | |
| Cattle | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Sheep | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Pigs | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Birds | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Bees | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Other | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Fishing | | | | | |
| Salmon | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Trout | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Other | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Total | | | | | |
| Barley | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Buckwheat | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Oats | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Rye | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Wheat | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Barley | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Buckwheat | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Oats | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Rye | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Wheat | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

Source: Bureau of Economic Analysis, U.S. Department of Commerce